

Cable 52





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CABLE is a student publication of the Cooper Union for the Advancement of Science and Art.

JUN 14 1962 Cooper Union Library

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The CABLE first appeared in 1922, and since has served as a chronicler of the changing modes of forty graduating classes. The passage of time brings a pleasant amnesia which tends to dim the memory of the day-to-day existence that is uniquely Cooper Union's. Casually perusing this book forty years hence, the alumnus will have little in common with the contemporary Cooper student. The latter will probably be far too busy worrying about his next lab report, or art project, or pledge assignment, or graduate school application — anxieties which have, we hope, been mercifully forgotten by the former.

The 1962 CABLE, then, will endeavor to show Cooper Union as it really was, and not as we would like to remember it, and ourselves. This is the strength of a record such as a yearbook. It can also be its beauty.

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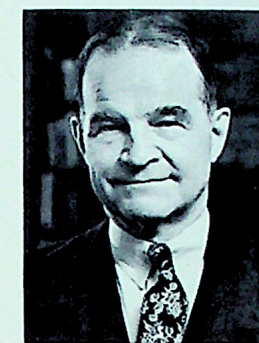
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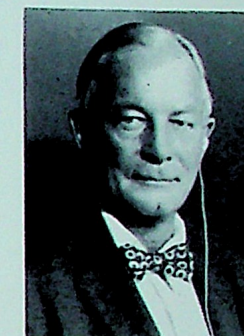
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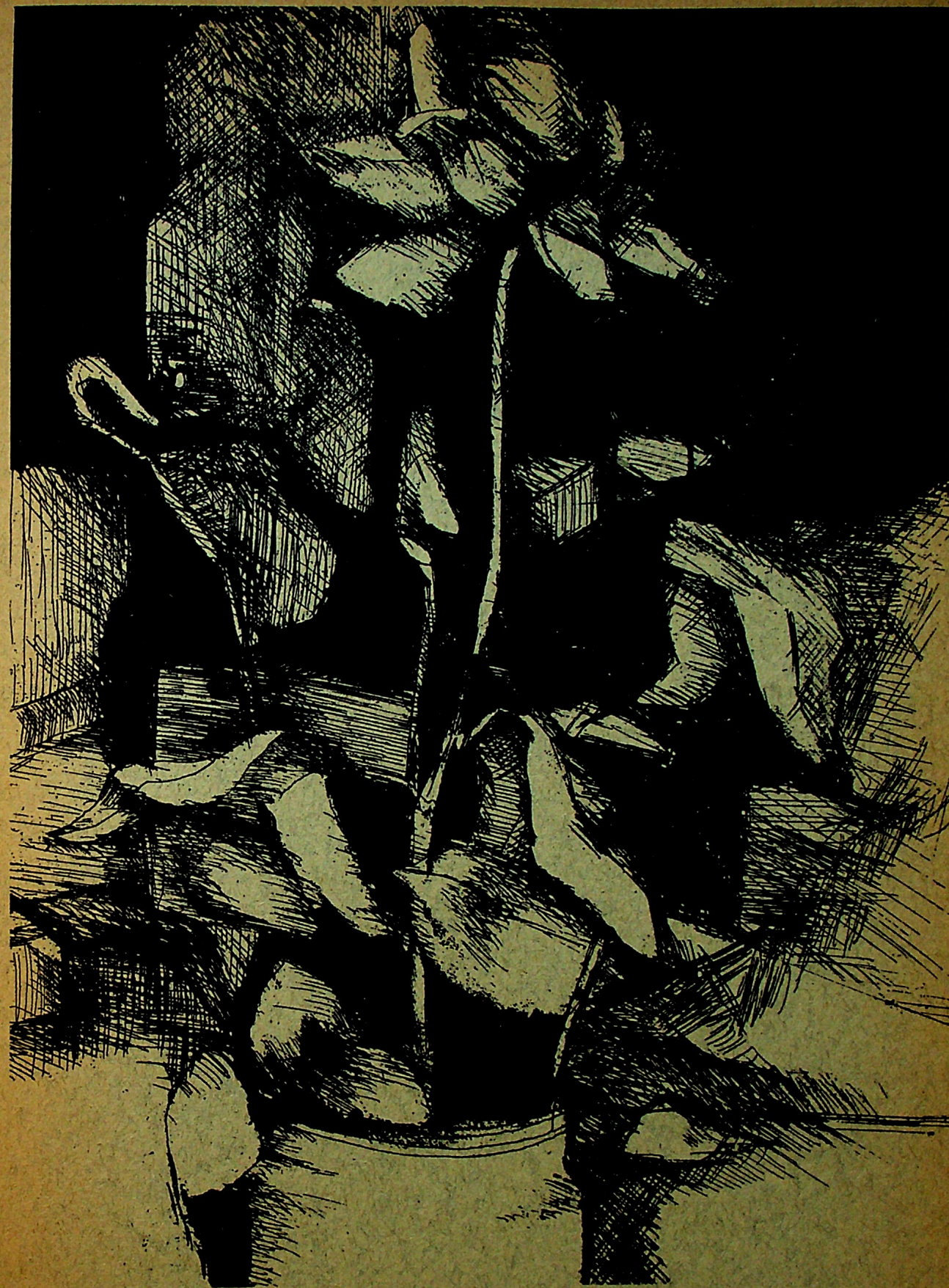


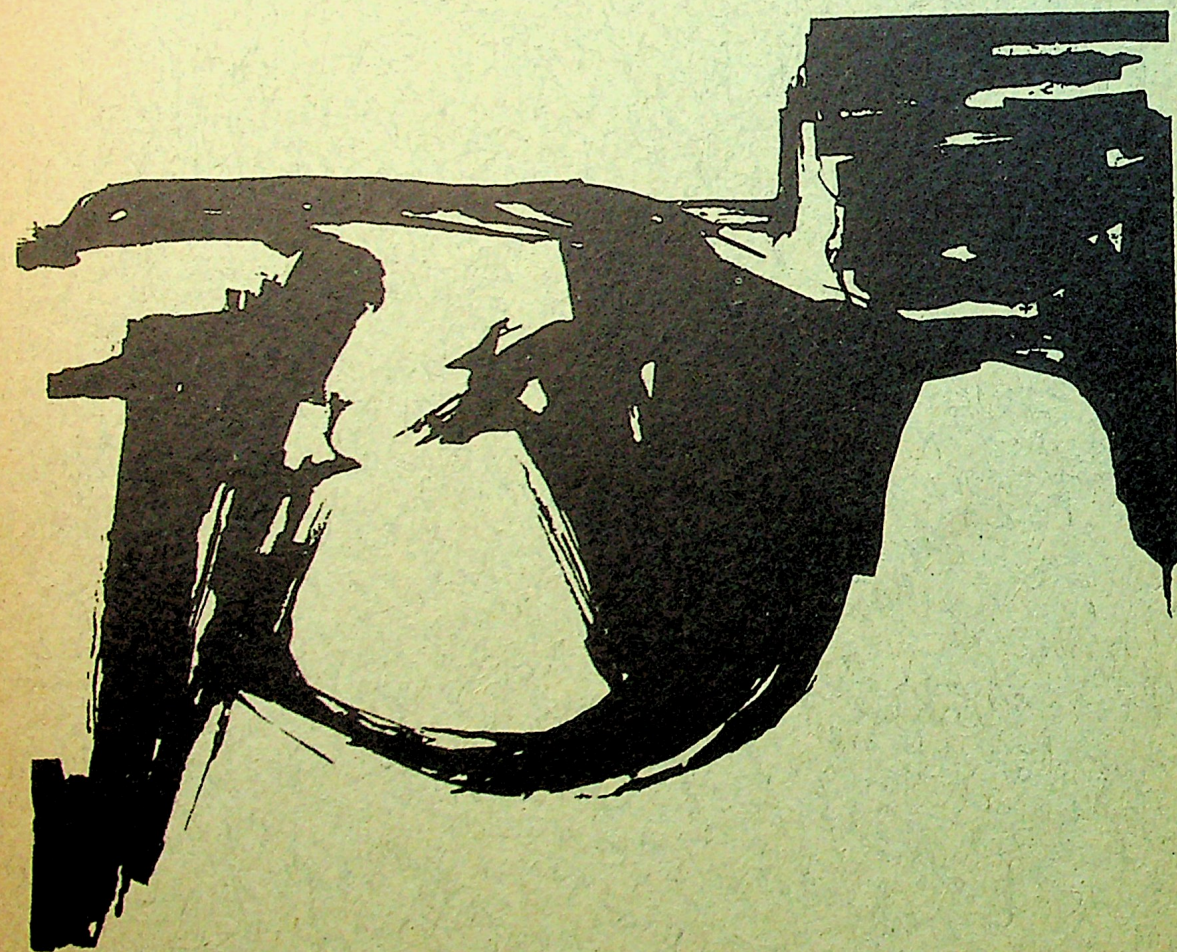
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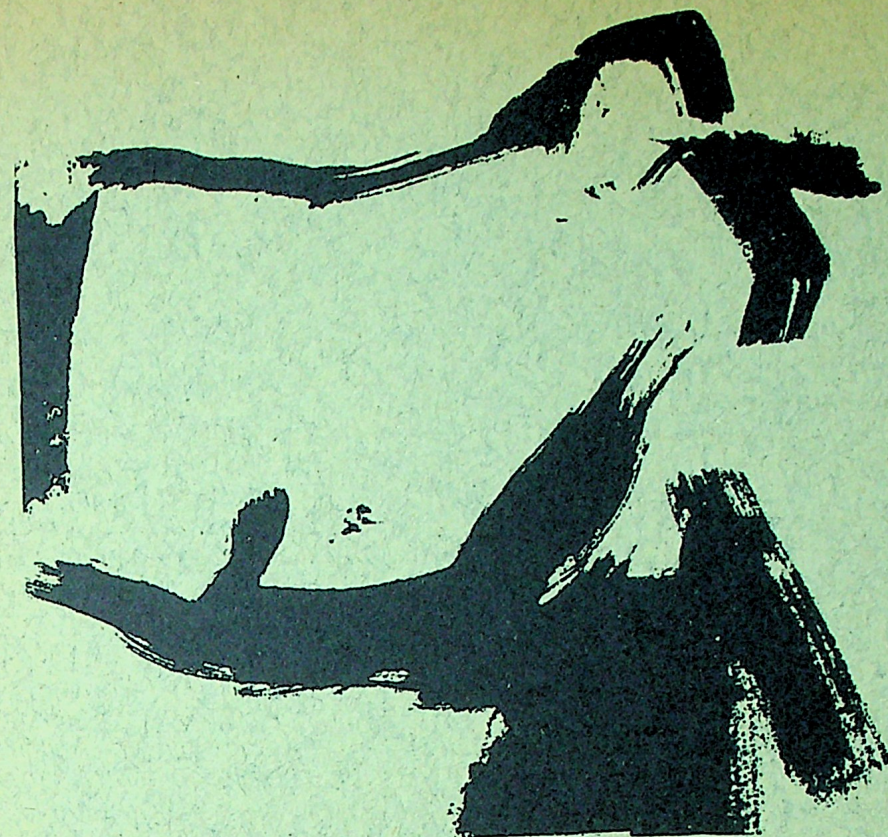
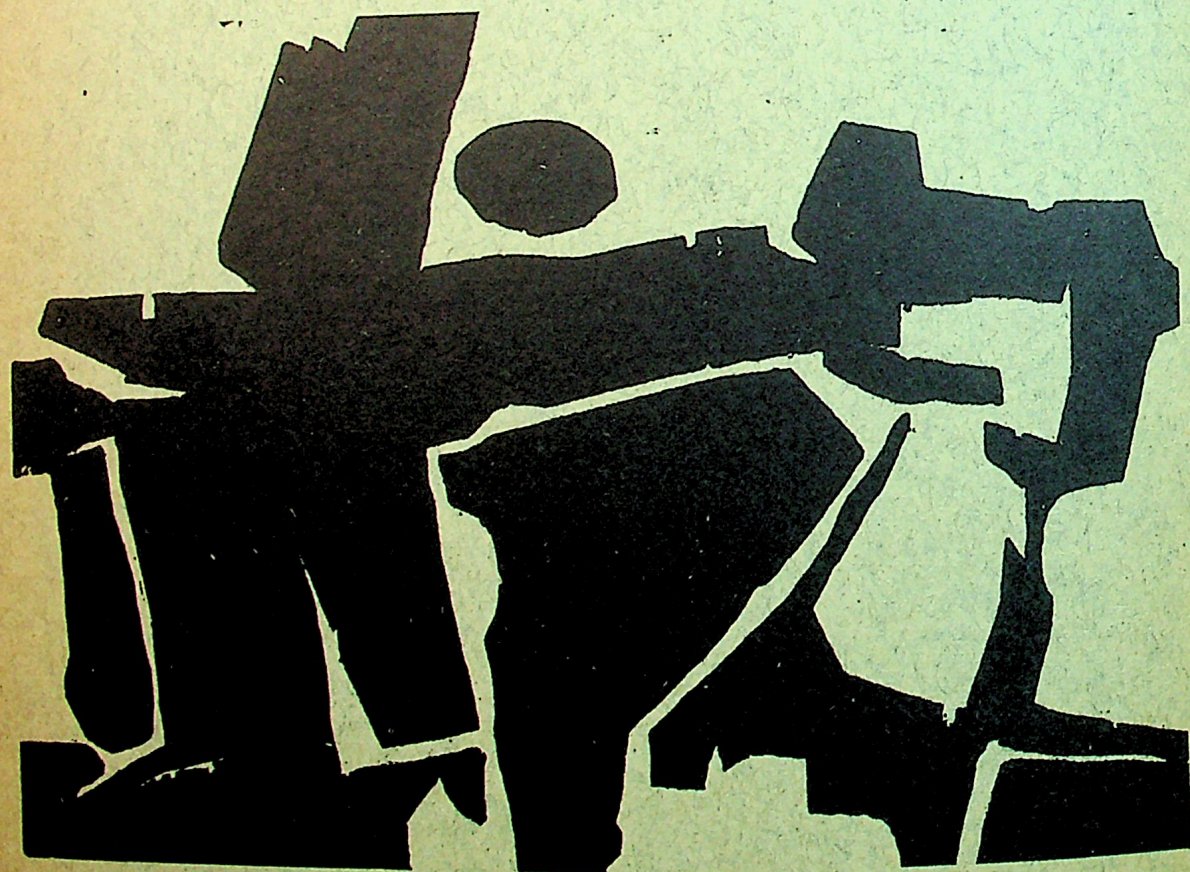
Dean Norman L. Towle — Engineering







A student of art on the subway armed with a t-square a strathmore coat of arms wrapped around the pole squashed bed ragged disheveled at school a new elevator operator rush to the sixth floor and drawing will someone please get the model a heater and close the door to your locker with the key at home now has to be sawed off Mitchel pens eternal black on the inside no lettering to finish word and find that you left out a letter which put in at end matters not as long as spacing is good and real what is reality a cardboard box yes opened or closed the window noise still comes the building a face lifting so all Humanities to the lunchroom Middletown and chocolate cake Kafka and coffee from the yellow machine that is really a fireplace falling apart a piano and we all sing Silent Night ten glorious days of homework that was really due two months ago along with the library books that didn't quite get back on time from break the elevator almost burned and had to walk up six flights . . .

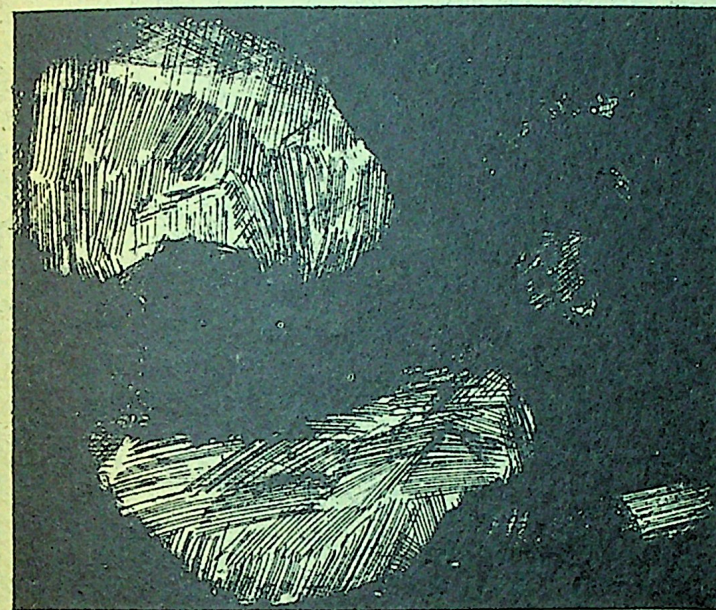


The rain keeps coming through the roof
 in puddles Frank Lloyd Wright said move
 your chair now I can see the model's arm
 can we put the lights on the enlarger's
 gone developing is difficult in the dark
 but the pictures come out anyway all
 painting is falling on my head but don't
 over the walls and easels bird lives the
 eat the banana its part of the still life
 you know that a good piece of lettering
 is as beautiful a thing to see the dirty
 sinks turpentine stains covered with blue
 paint no more soapy left got the last paper
 towel heh heh sane or insane fire saves
 the lives of wives but Helen left Paris
 and the unicorn lost its horn it was only
 glass in motion can anyone make sound
 I need some for 3-D preferable in a box of
 balsa wood sticks Polk's is empty again
 going to Green Camp I thought Art School
 orientation was over but now everyone
 plays frisby



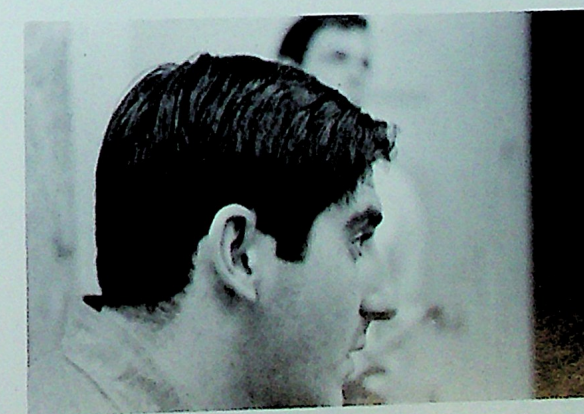
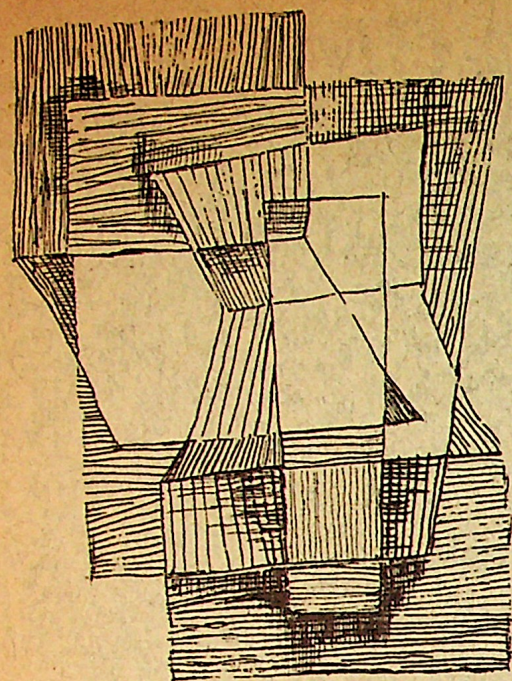


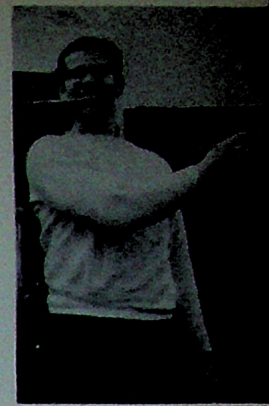
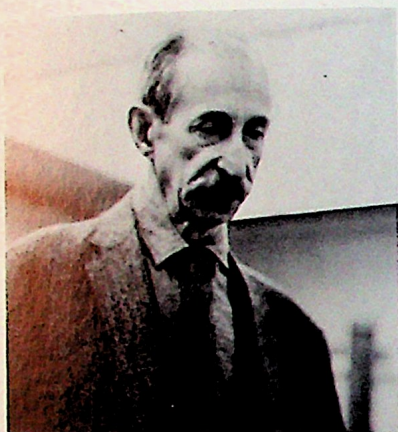
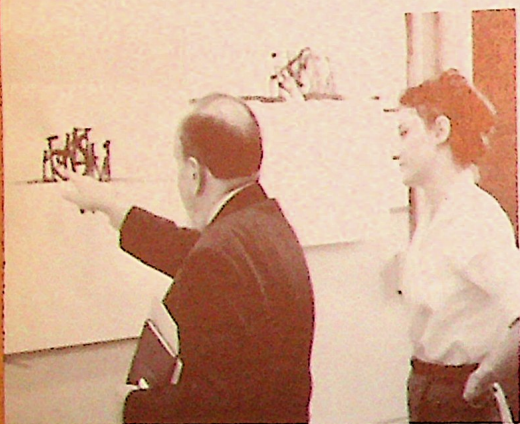
Painting to mambo music it is all right the freshmen are doing the twist in the lounge guitar music I think the ukelele is the greatest thing this year though fink and fehseem to be hip collages montages old shoes doors with brass handles architectonics models flying down Third Avenue when some people live in clay houses Coscia's is nicer McSorley's is closer to the Hewitt building sculptors with heads of powdery dandruff and goggles burnt kids with hot plates and black hands in acid resin turpentine stop out varnish kerosene whitening benzine varnish remover grease solvent anyone for rubber gloves use a smock . . .



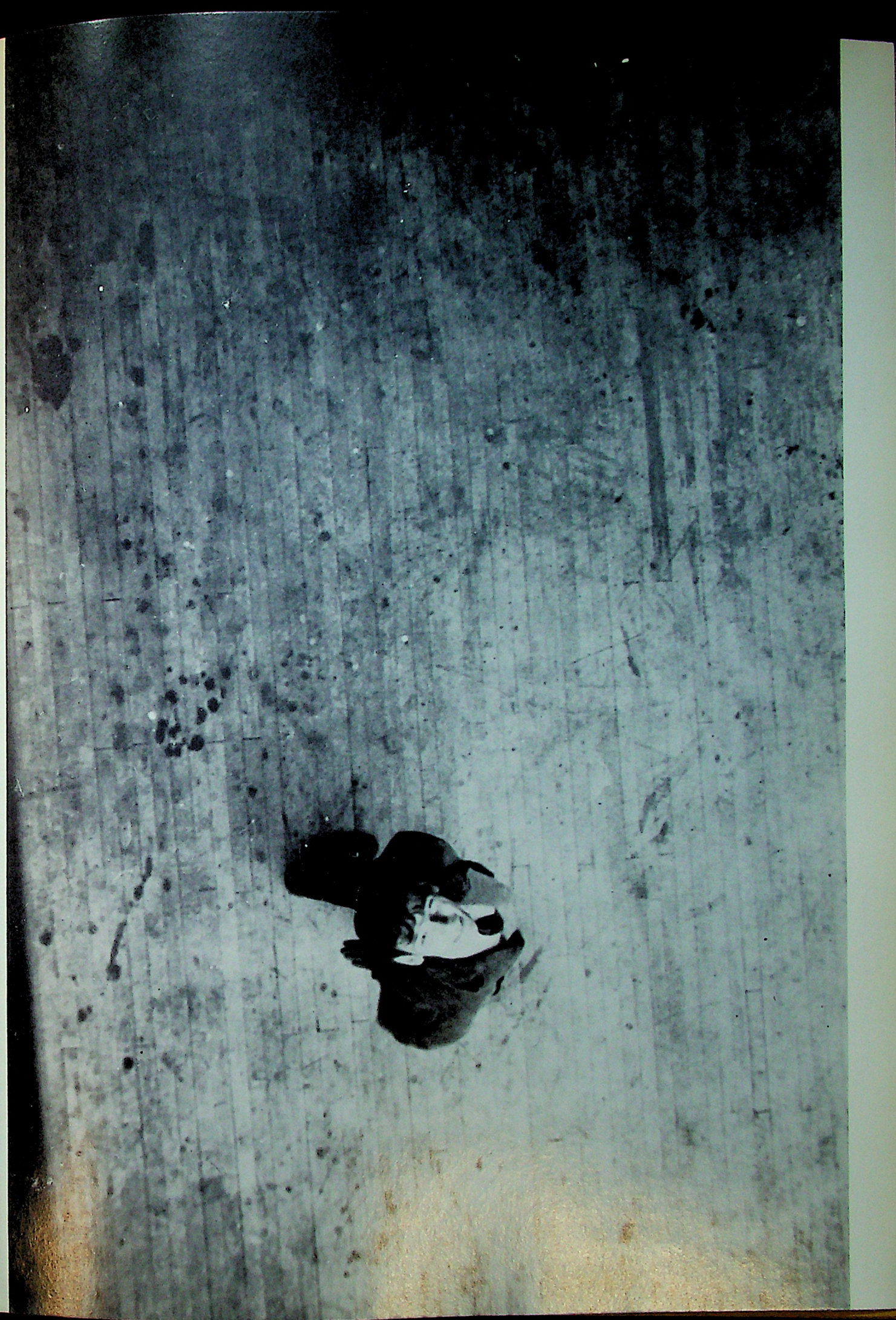
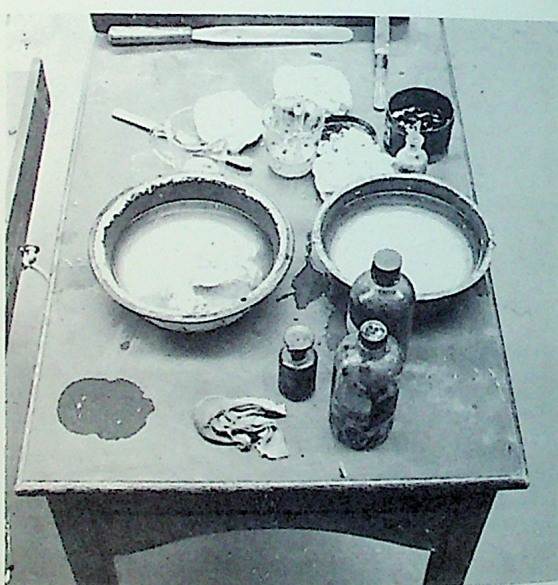
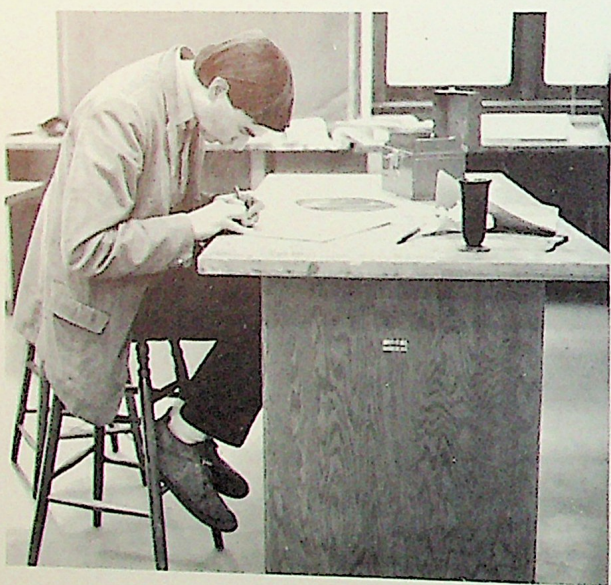
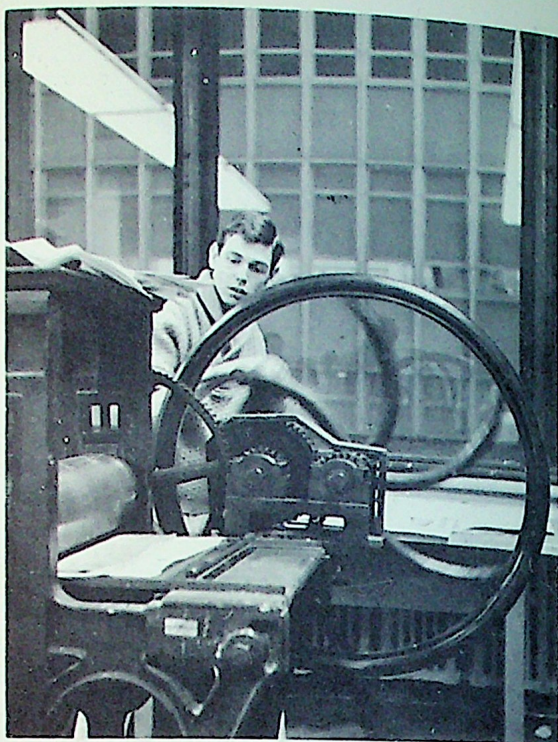
Its term report time again why the Engineers and Artists should be friends at the Church of All Nations cold water for swimming the mail with pink transcripts a moment of fear in aesthetics can't hear and a red sweater try making stained glass windows design your own religion . . .

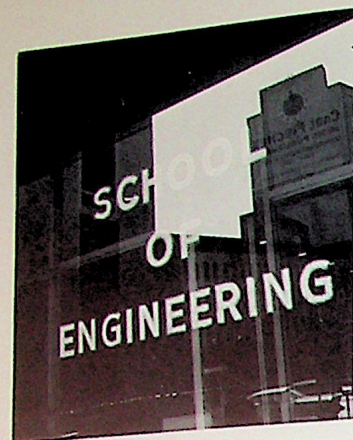
Thousands of pigeons the smell of birdseed Washington Square Park the statue of Peter Cooper at night and the big white clock time so fleeting four years the fantasy of a second existence commencement the cavern of the Great Hall doors opened the noise of the city people . . .











The story of the Engineering School can be looked upon as a four year theme with infinite variation. (Or, as one would say, variation increasing without yet reaching a limit.) The theme has a preparatory part, or introduction, leading from the initial overtures of the all-knowing high school senior to that paragon of all scientific sorting processes, the Admissions office, to the final ingathering of the chosen at orientation. At that momentous occasion, the unruly energies of the curious begin to find direction, so that at the beginning of classes, the newcomer does not quite mentally "leap on his horse and ride off to the four winds."

The freshman year holds surprises, paradoxes, and reversals. That which one had expected to be quite different from high school is sometimes quite similar, but the many differences crop up in unexpected places. The world is full of PFI's, "tum tacks," smokers, and "chicken-wire". The easy courses are difficult, while the hard courses begin to make sense. Students who have been told that the rolling-body problem treated in Graphics will be made clear in Physics discover that even after doing the experiment it is quite unclear.

The wonder of the sophomore year is more subtle; one discovers gaussian surfaces, Art School freshmen, vectors and orthogonal trajectories. "If the webbers don't get'cha", one survives to celebrate the day when "76 Was the Mean on the Optics Test." For all but the ChE's, this year brings the first groaning pangs of specialization; for the EE's, the round of problems, problems, problems, begins.

The Junior year goes departmental in a big way; the students have been playing games long enough. Now the "honest to goodness inside dope" begins. There are even fleeting rashes of professional attire appearing. The student brow becomes clouded with serious and weighty thought, and here and there appears a grudging, well-guarded affection for tensors, physical chemistry, or semi-rational theory of fudge factor formulation.

As a senior, every man is expected to be not only a senior, but a Man. Some chose to exercise this as their last fling at childhood, but our virtual student, the average graduate finds it more to his

liking to consider conformal similitude the best preparation for the "great world outside", or the "higher, higher learning", wherever he may be headed. Perhaps now, he is almost ready to begin that practice of educated ignorance which is Engineering, hopefully to pare away bits of ignorance as he goes.

The Cooper Union School of Engineering, as with almost any other undergraduate school, from time to time falls under fire as being a mill, where one suffers for a set period in order to receive a stamp of approval, a social password, a prerequisite for certain goals. The students come and go, with the same homework problems, the same lab reports, the same curses for the same teachers. The newer student's initial reaction may be one of complaint. Frequently, these gripes take novel forms. A sophomore term paper may bring forth something like the following:

"A Tower All of Glittering Gold"

*A shaft of beauty gleaming there,
There, there, there — my Lady Fair;
Cold, so cold, to mortal desire,
Menacing to quench my fire,
That desperately a Godly sphere
I entered, so as to be near
And yet not destroyed.*

*And the yellow beams of me, the
sun,*

*Did swiftly dart and dance and run.
(Like children in innocent fun . . .)
Casing each other about the tower,
Angling lower with the passing hour.*

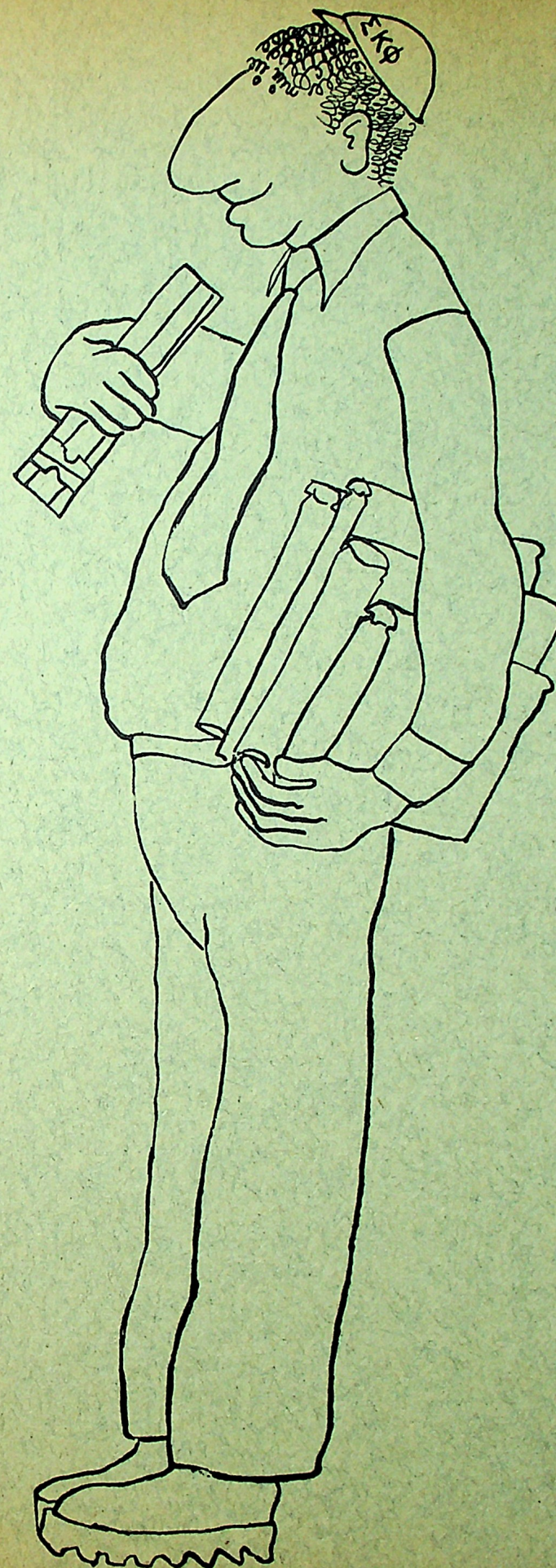
*Round about a potent ray probed
In and out the myriad alcoves;
Wondrous to watch from the crest of
the crown,
Wondrous from the top on down,
And the words of love I whispered
where
(Angling lower with the passing
hour),
Which swam to her ears on oceans
of air,
And the words of love I whispered
there,
(Muffled by a gag of golden hair),
Pursued the ray in the depths some-
where,*

*They collided deep, in a brilliant
flash*

*They fused with love.
And straightway the buttressed props
Burned, and the tower dropped.*

*"Unfortunately for the sentimental
among us, no sun at once so warm and
brilliant has yet deigned to melt the prim
perpendicularity of the new Engineering
Building. One hapless soul has already
retired to Bellevue Hospital muttering, as
his farewell:*

*'Cooper Union is a great engineering
school, but it could be much better. We
should have more culture. We should
be fully educated. That is a dream. We
will become machines.' "*



$$(a-b)^7$$

$$\frac{N!}{N(K-1)(N-1)} \frac{7654321}{7(4321)}$$

$$(a+b)^3$$

$$N! \quad a^3 + 3a^2b + 3ab^2 + b^3$$

$$\frac{N!}{(N-1)(6034)} \quad 6$$

$$\frac{7654321}{7(4321)}$$

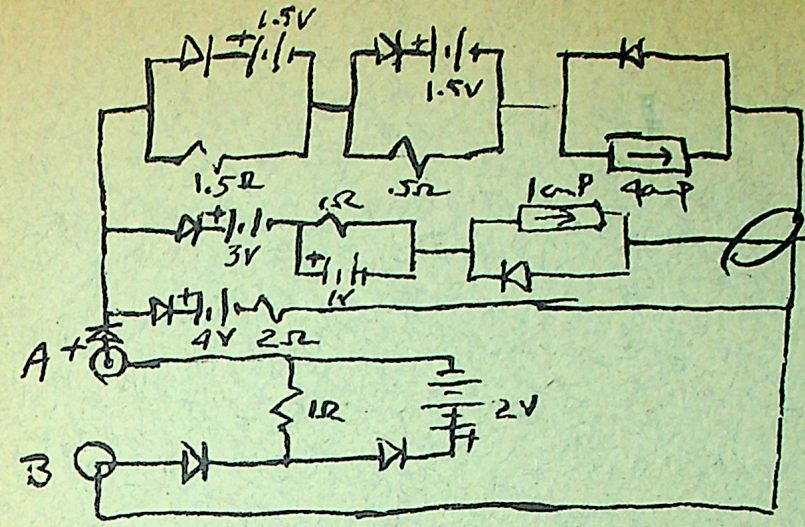
$$\frac{N!}{N(K-1)} \quad N(K-1)$$

$$\frac{7654321}{84321}$$

$$8260 \quad (a-b)^7$$

$$\frac{7654321}{210X}$$

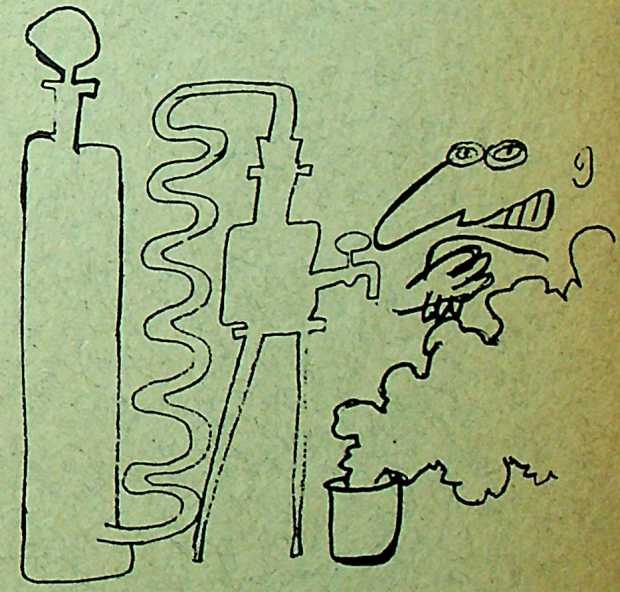
$$\frac{(N-K)}{N(K-1)}$$



This branch will not do what you claim it will, I think that omission of the i.v. supply will solve your problem.

A senior, name withheld, draws a somewhat differing picture of the "symbol in brownstone":

"Cooper Union is not a grind; it couldn't be, for a grind is when:
 you hate the instructor
 you come to school in the morning hoping the instructor doesn't collect the one assignment you didn't do.
 you take an exam on stuff you never knew, because the instructor reads the book faster than you do.
 one surprise quiz is given during the year, and that one night you didn't read the book.
 you have to work for three days without sleep.
 you have an interview on the third day.
 you do a book report on a book you never read.
 the bottom drops out of the test tube after a month of labor on the precipitate: 'Is it my fault you're clumsy?'
 a two hundred hour project comes back with an F; you forgot to punch holes in the sides.
 you can't eat lunch because you're sick from not eating."





Typical applications

But hopefully, there is more to the process of Cooper's education than this. Something deeper than pedantry is going on when a student is led to see the teacher as a dynamic psyche, a "partaker of events." Or, as one not quite so eloquent put it: "When we've got you puzzling, then we've done something." Though it may be inherently not measurable, there is some mind-stretching going on here. Somewhere in the course of one's forming and polishing there will be a spark struck, suddenly illuminating life from a new side. The vision is rapidly lost, but when one has been prepared by one sudden turn of thought, he can react more readily to subtler glints in the future. Philosophical education is the development of a sensitive and flexible consciousness, a broader, more inclusive perception.

One could perhaps fear that philosophical education should get crowded out under the pressure of technical training. There is no cause, however, for such a fear, for there is no more fruitful cross-fertilization of contemplation than that of hard work. The only sure result of hard work is toughening — growth in scope benefits from work, but does not necessarily follow from it.

$$\mathcal{L}[f(t)] \equiv F(s) \equiv \int_0^{\infty} f(t) e^{-st} dt$$

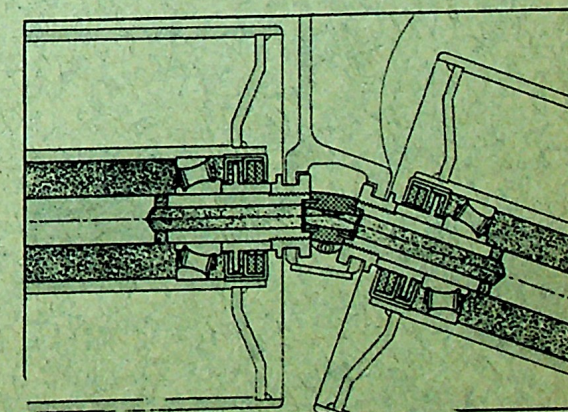
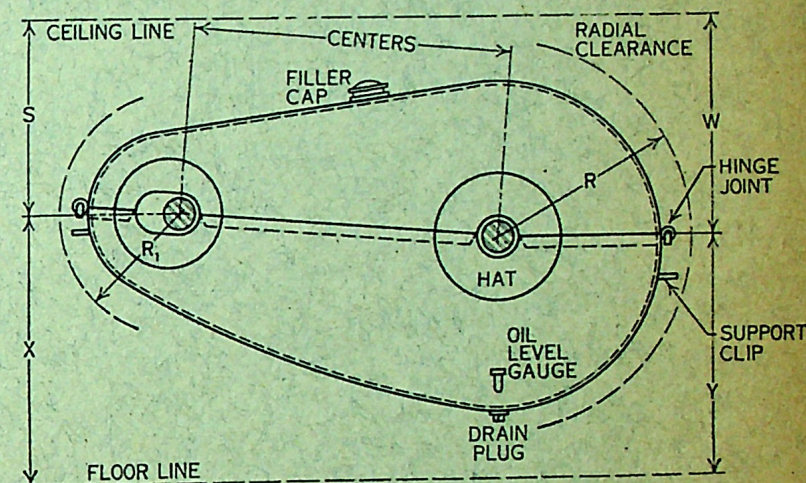
~~the key to Laplace transforms~~

$\equiv$ definition

In the engineering school this philosophical education takes the form of an implicit function. The student learns, not by being taught, but by observing the faculty and his fellow students as all are involved in learning and teaching technical material. On a little sober thought it appears that the engineer-to-be is not as deprived as he might imagine, for even in an "Arts College", dedicated to systematic philosophy, the living contact with active minds afforded by the college community is the true educating process.

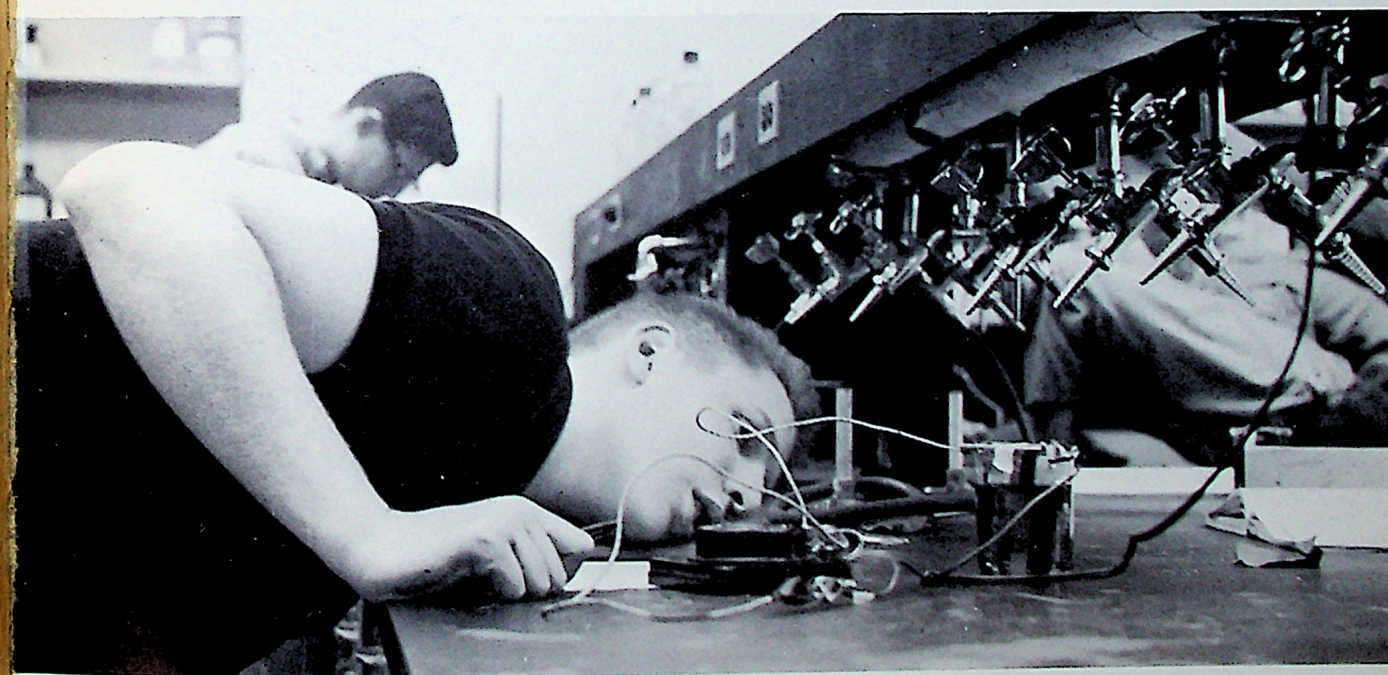
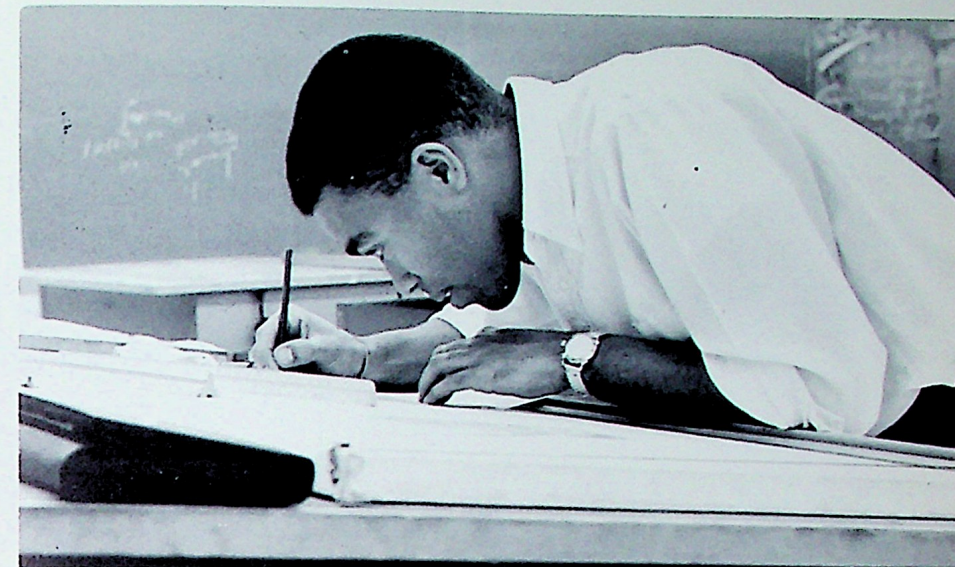
Along with the cyclic functions, repeating over and over with each group of students, there are subtler processes going on continuously — imperceptible to students passing through, taking each course but once. Several of the driving forces here are changes in current technology, and changes in the faculty and student body. The former may be deduced from the fact that weaving and telegraphy have passed from the curriculum. The current rapid advances in engineering technology have forced Cooper Union to adopt a policy of preparing a man with a scientific mind and certain basic technical knowledge, rather than an all-knowing professional.

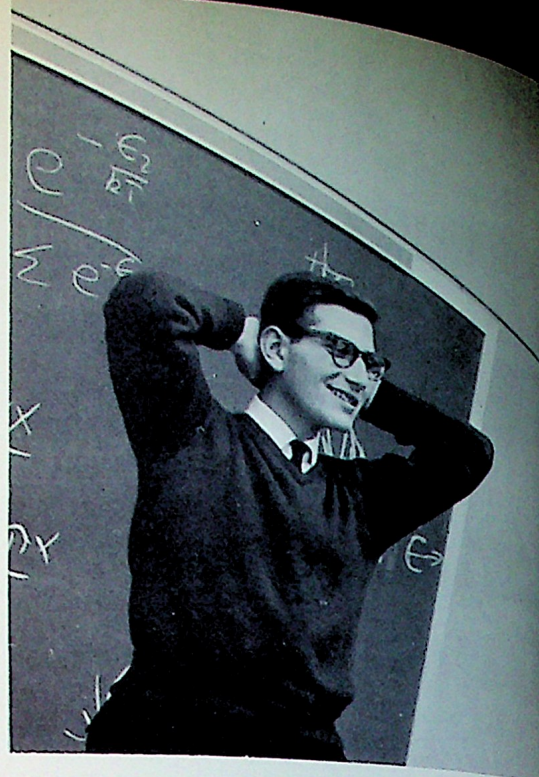
The continuing success of the Engineering School in its avowed purpose: the selection and training of men to serve in technical positions with a high degree of competence and responsibility, is the final telling point to set all complaints in a proper perspective.

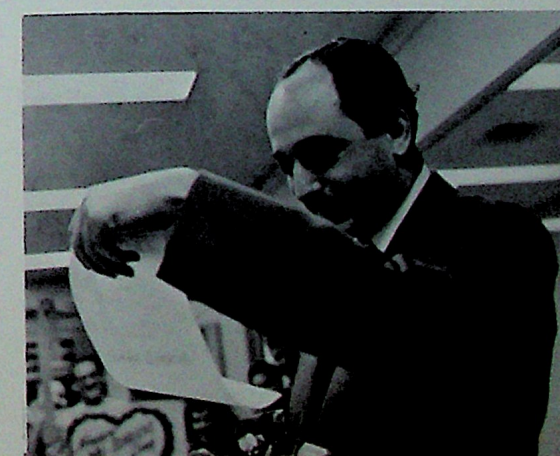
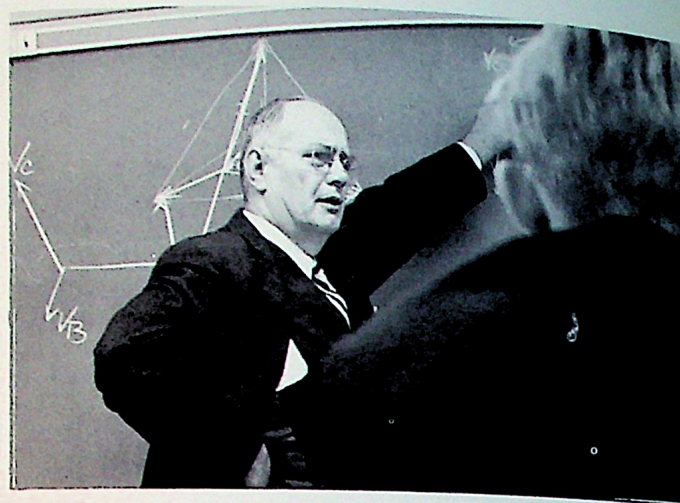


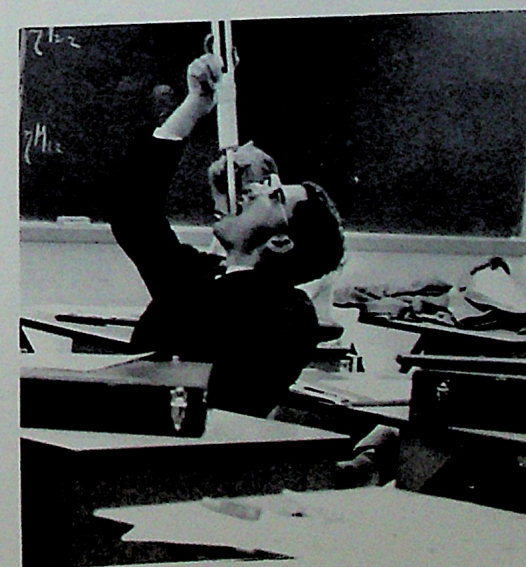
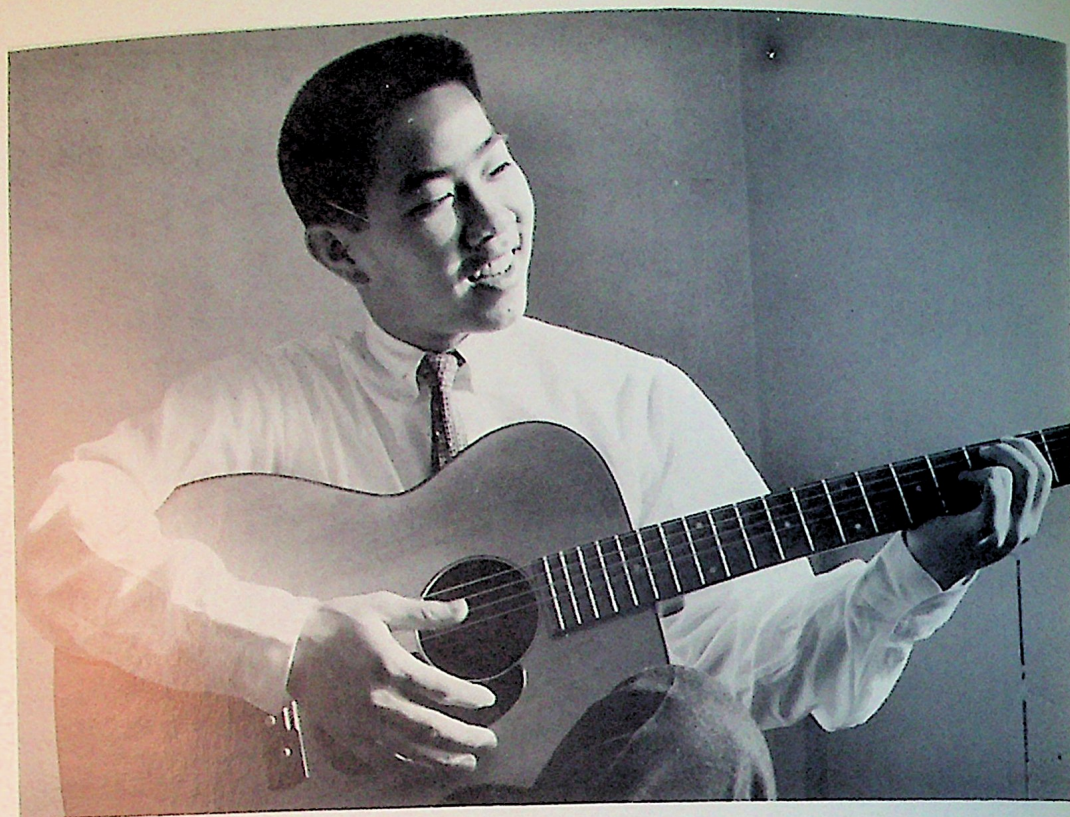


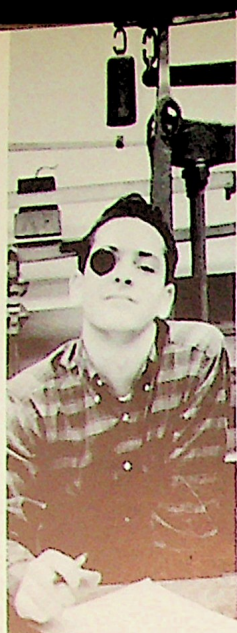
THE COOPER UNION
SCHOOL OF ENGINEERING











DATE AND COURSE TITLE	Grades	Grades	Grades	Grades	DATE AND COURSE TITLE	Grades	Grades	Grades	Grades
112 Engrg Graphics	4.0	4.0	4.0	4.0	Fall 1961				
112 English	4.0	4.0	4.0	4.0	32 Civilisation	3.0	3.0	3.0	3.0
112 Gen'l Chemistry	4.0	4.0	4.0	4.0	12 Electric Circuits	3.0	3.0	3.0	3.0
112 Gen'l Chemistry Lab	4.0	4.0	4.0	4.0	51.2 Electric Machines	4.0	4.0	4.0	4.0
112 Mathematics	4.0	4.0	4.0	4.0	31 Electronics	3.0	3.0	3.0	3.0
Physical Education	4.0	4.0	4.0	4.0	53 Thermo&Heat Transfer	3.0	3.0	3.0	3.0
12 English (Credit)	2.0	2.0	2.0	2.0					
112 Gen'l Chemistry	4.0	4.0	4.0	4.0					
116 Gen'l Chemistry Lab	4.0	4.0	4.0	4.0					
113 Mathematics	4.0	4.0	4.0	4.0					
Physical Education	4.0	4.0	4.0	4.0					
112 Mechanics & Heat	4.0	4.0	4.0	4.0					
Fall 1960									
1 Economics	4.0	4.0	4.0	4.0					
1 Mathematics	4.0	4.0	4.0	4.0					
1 Elect & Magnetism	4.0	4.0	4.0	4.0					
1 Public Speaking	4.0	4.0	4.0	4.0					
1 Statics & Dynamics	4.0	4.0	4.0	4.0					
Spring 1961									
1 Civilisation	4.0	4.0	4.0	4.0					
1 Electric Circuits	4.0	4.0	4.0	4.0					
1 Mathematics	4.0	4.0	4.0	4.0					
1 Light, Sd, Vibrations	4.0	4.0	4.0	4.0					
1 Statics & Dynamics	4.0	4.0	4.0	4.0					

GRADUATES

COOP ON
THE STU
UNION OF
/Credit
Examina
Test (E
N.Y.S.
1/61, 1/
Sch Nom

Robert F. Abbato EE
142 Wilton Street,
New Hyde Park, N. Y.
President Hiking Club, Stu-
dent Leader, GCAC, ODP,
IRE.
*If I can't do this problem,
I'll get it from Byer*

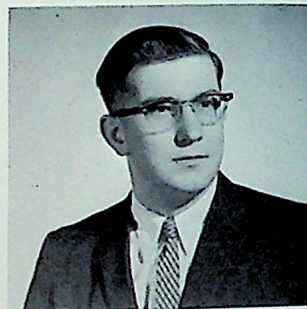


Edward Ashare ChE
361 E. 58th Street,
Brooklyn 3, N. Y.
AIChE, Tau Beta Pi, LSK
Fraternity, Intramurals (Bas-
ketball, Baseball and
Swimming).

Arthur Jay Ashendorff CE
1491 Shore Parkway,
Brooklyn 14, N. Y.
ASCE, Intramural Basket-
ball.
*To be positive: To be mis-
taken at the top of one's
voice.*

Martin Abrams ME
4713 Kings Highway,
Brooklyn, N. Y.
ASME, Dean's List, Design
Library.
*The world is an infinity of
knowledge and experience,
of which we can compre-
hend only an infinitesima-
portion.*

Robert Alperstein CE
3555 Oxford Avenue,
New York 63, N. Y.
AMS, President ASCE.
*I would like to say just a
few words fellas . . .*

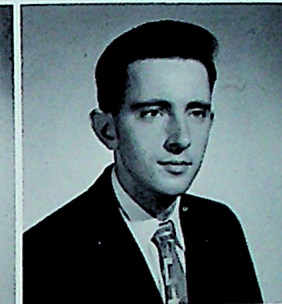


Edward Ronald Baker CE
437-44 Street,
Brooklyn 20, N. Y.
Hiking Club, ASCE.

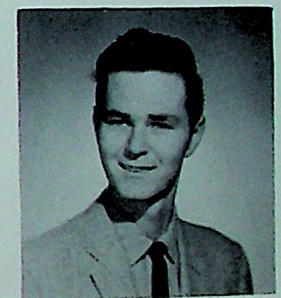
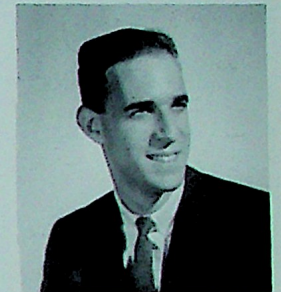
Jerry Berglund
4509 6th Avenue,
Brooklyn 20, N. Y.
ASME, ODP, Rifle Club
President, Captain
Team. Dean's List.



Walter W. Beveridge ME
125 Elliot Avenue,
Yonkers, New York
Fencing Team Captain
A.S.M.E., Athletic Assoc.
Treasurer, Winner of Fenc-
ing "Weapon of the Year"
and A.A. "Player of the
Year" awards.
*"Any lens, simple or com-
pound, that is not a thin
lens, is called for brevity a
thick lens" — F. W. Sears*



Joel L. Blank ME
1320 51 Street,
Brooklyn 19, N. Y.
Prior and Vice-Prior of
Alpha Mu Sigma, Pi Tau
Sigma, President of IFC,
Treasurer of JAC, Dean's
List, Member of ASME, In-
tramural Basketball, Bowl-
ing and Softball.
*"There is not an indispensa-
ble man."* F.D.R.



Anthony J. Blazej ChE
25-12 41 St.,
Long Island City 3, N.Y.
Pioneer Sports Editor, Man-
ager of Swimming Intra-
mural, Vice-President of
Sophomore Class, Student
Leader, AIChE, Student
Council, Gold "C".
*All this engineering is non-
sense — it's money that
counts!*

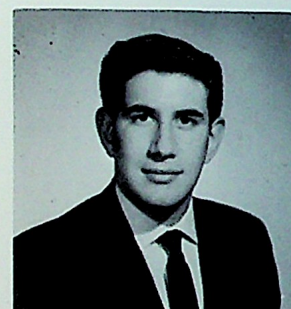
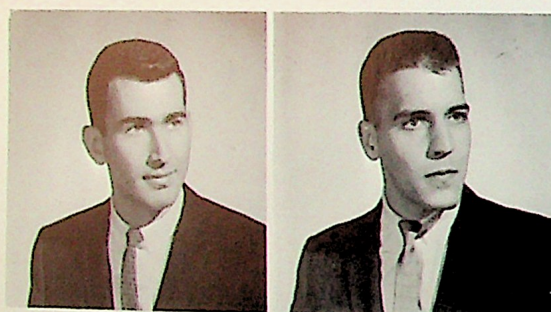
Ivan Pal Bottlik EE
31-75 29th Street,
Long Island City 6, N. Y.
Varsity Yacht Team. Com-
modore Bowling Intramural,
Rifle Club, Omega Delta
Phi Fraternity, IRE, Fresh-
man Physics Award, Tau
Beta Pi.
*Then three times round went
our gallant ship, And she
sank to the bottom of the
sea.*

Francis J. Bradley EE
1558 Unionport Road,
Bronx 62, N. Y.
Intramural volleyball, soft-
ball, basketball, and bowl-
ing. Varsity Bowling Team.

Stephen H. Breittkopf ME
1809 Albemarle Road,
Brooklyn 26, N. Y.
Alpha Mu Sigma Fraternity
Pledgemaster, Bowling and
Swimming Intramurals, AS
ME A. P. Member, Dean's
List, 4DME Spokesman.
"I feel like a fugitive from
the law of averages."
— William Mauldin

Harold I. Brown CE
1953 East 16th Street,
Brooklyn 29, N. Y.
Pioneer, American Society
of Civil Engineers Vice
President.
"children guessed (but only
a few) and down they for-
got as up the grew"
... e. e. cummings

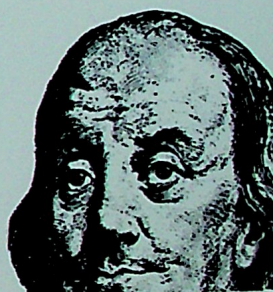
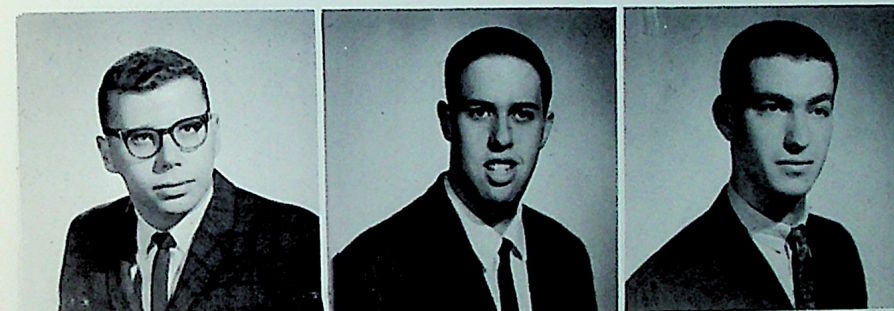
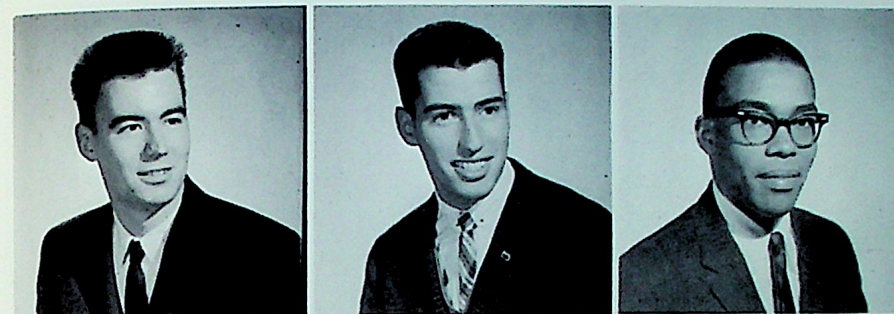
Stavros N. Busenberg ME
31-34 34th Street,
Long Island City 6, N. Y.
Volleyball team.



Karl H. Dolle EE
35 Pennsylvania Avenue,
Mount Vernon, N. Y.
AIEE-IRE, GDI, Fencing
Club and Varsity Fencing
Team, Protestant Club, Pio-
neer Co-Editor-in-Chief, Gold
"C".

Ronald W. Drucker CE
3800 Poplar Avenue,
Brooklyn 24, N. Y.
Lambda Sigma Kappa,
Pledgemaster; Business
Manager Pioneer, Business
Manager Cable, ASCE, Glee
Club.
The world is now Somewhat
less mysterious.

George J. Duckett CE
119-55 Merrill Street,
Jamaica 34, N. Y.
Secretary, Vice-President of
ASCE.



Norman Byer EE
1630 Saint John's Place
Brooklyn 33, N. Y.
Tau Beta Pi, IRE, Pioneer.
When I find out how to do
this one, I'm not telling any-
body.

Bob Corvini CE
190-25 Woodhull Avenue,
Hollis 23, (Queens) N. Y.
President of Chi Epsilon,
member of Tau Beta Pi, Vice
President of Omega Delta
Phi, Sailing Club, Engin.
School Student Council,
Coscias Society for preser-
vation of a Hellenic Culture.
"... And now I are one."

David L. Davis EE
3425 Knox Place
Bronx 67, N. Y.
Tau Beta Pi, Lambda Sigma
Kappa, Varsity Fencing
Team, Pioneer, Annual
Dance Committee, ESSC.
Gold "C", IRE, AA 3-year
Award.
"So little done —
so much to do."
— Cecil Rhodes

Clive L. Dym CE
509 W. 174 Street,
New York, N. Y.
Freshman Orientation Coun-
selor, A.A. Secretary, Field
Day Chairman, Varsity
Bowling Team Manager,
GCAC, Student Leader, Gold
"C", Silver "C", ASCE,
Gano Dunn Trophy, Pioneer,
Swimming Club President,
AA Dinner Committee, Aq-
uatics Instructor.
"Be less abstruse; my rid-
dling days are past."
— John Milton,
Samson Agonistes

Robert Ehrlich
646 Argyle Road
Brooklyn, N. Y.
AICHE.

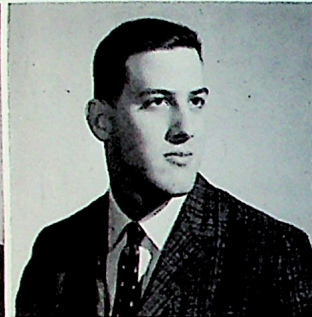
Jon Ellenbogen ME
144-38 68 Drive,
Flushing 67, N. Y.
Pi Tau Sigma, Tau Beta Pi-
ASME President, GCAC,
Athletic Association Treas-
urer, Aquatics Instructor,
AMS Fraternity, Senior Stu-
dent Leader, Gold "C", Field
Day Committee Chairman,
All-Sports Dinner Committee
Chairman.
"Not remembering how in
my youth I cried."

Martin R. Feinberg ChE
1700 Harrison Avenue,
Bronx 53, N. Y.
LSK, AIChE, N. Y. State
Regents Scholarship.
*This picture was taken
when I was much older.*

David R. Fialkoff CE
2249 East 29th Street,
Brooklyn 29, N. Y.
Chi Epsilon, ASCE, "Sur-
vey" Copy Editor, ASCE
Dinner Committee, Hiking
Club, Field Day Committees.
*It is better to have the light
from one small candle than
to live in utter darkness.*

Joel L. Fisher ChE
33-65 14th Street,
Long Island City 6, N. Y.
Green Camp Student Lead-
er, Blood Bank Chairman,
Past AIChE Secretary.

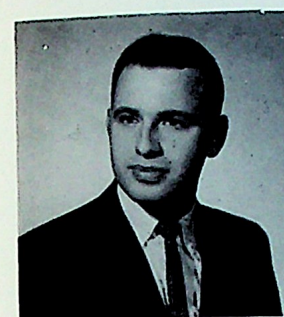
Jerome Fliegenspan EE
455 Schenectady Avenue,
Brooklyn 3, N. Y.
Pioneer, Green Camp Stu-
dent Leader, Tau Beta Pi,
Gold "C" Committee, Stu-
dent Handbook, Chairman—
Annual Dance, AP Sales-
man.
Life has its up and downs.



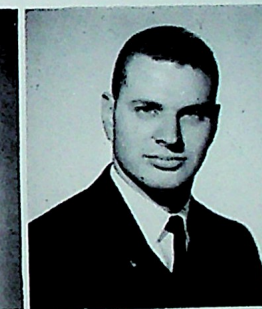
Marvin Elliott Forman EE
311 Lincoln Place
Brooklyn 38, N.Y.
Lambda Sigma Kappa,
Fencing Team Manager,
AA Governing Board, AIEE-
IRE Student Rep., Pioneer,
Cable.
*Just between us, Professor,
I don't believe a word of it.*

Neil Frankel ChE
685 Lefferts Avenue,
Brooklyn 3, N. Y.
LSK, AIChE, N. Y. State
Regents Scholarship, Soft-
ball, Ping-pong Intramurals.

Max Friedman ChE
164 East 96th Street
Brooklyn 12, N. Y.
AIChE.
*I wanted to go down with
posterity; but, I knew she
wouldn't change her ways
for me.*



Gunter W. Georgi ME
708 Sagamore Street,
New York 62, N. Y.
Yacht Club, Intramural vol-
leyball, American Society
of Mechanical Engineers.



Sheldon Larry Glickler ME
512 Cleveland Street,
Brooklyn 8, N. Y.
PTS, AMS, Tau Beta Pi,
Drama Club, Treasurer PTS,
Program Coordinator ASME,
Honors List—all terms, Cor-
responding Secretary AMS,
Winner Amateur Rifle '60.
A fourth?

Eugene Barry Golub CE
2481 Eileen Road
Oceanside, N. Y.

Fencing Team, Ass't Cap-
tain Fencing Team, Captain
Sabre Team, Member LSK,
ASCE, Arlene—Main Activ-
ity, Society for Preservation
of Hellenic Culture, Chi Eps-
ilon.
*When from the future look-
ing back, remember well
and well again . . .*

Israel Gopstein EF
1378 East Fifth Street,
Brooklyn 30, N. Y.
Student Zionist Organization
President, Dean's List, In-
stitute of Radio Engineers,
Pioneer, Rifle Club.
*"It matters not how long we
live but how."*
—Bailay

Sol H. Gorland ME
1411 Linden Boulevard,
Brooklyn 12, N. Y.
Volleyball Team, Vice-Pres-
ident of ESSC, Gold "C",
Student Leader, GCAC,
A.S.M.E., LSK.
"Know much, not many."

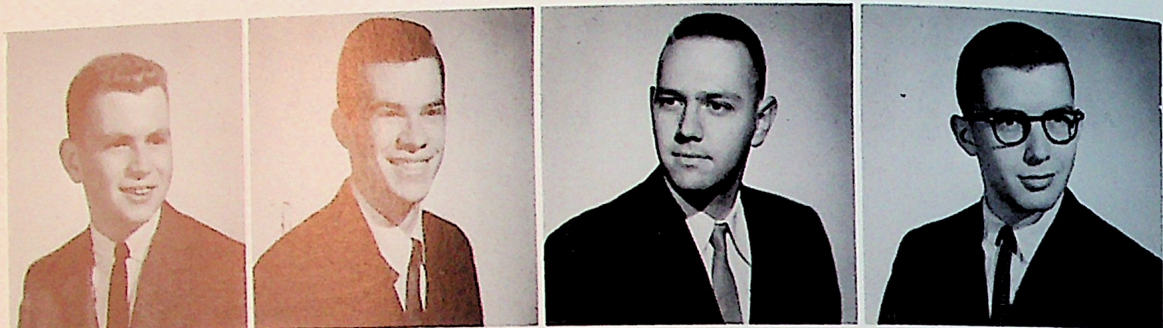
Joel Greenstein
869 E. 26th Street,
Brooklyn 10, N. Y.
SKT, ASME, Intramural
Handball, Softball, Swim-
ming, Bowling, SKT Pledge
Committee.
We entered knowing we
couldn't win. We leave
knowing we can't break
even.

— 2nd Law.

ME Robert Grossbach
1142 Wheeler Avenue,
Bronx 72, N. Y.
Member Sigma Kappa Tau
Social Fraternity, AIEE-IRE
Captain — Intramural Bowl-
ing Team, Null-A.
"Now, if you all had IQ's
of 40 then I'd expect every
head to turn at the sound of
that truck passing outside
Grossbach! Face Forward!"

EE Gary Grulick
28-05 33rd Street,
Long Island City 2, N. Y.
Co-Editor in Chief of Pio-
neer, President of Alpha
Phi Omega, Debating So-
ciety President, AICHE, In-
tramurals Gold "C".
'And they told me that col-
lege was all football games
and panty raids.'

ChE Mayer Horn
1415 Linden Boulevard,
Brooklyn 12, N. Y.
Editor-in-Chief THE PIO-
NEER, Secretary The Joint
Activities Committee, Social
Activities Committee, ASCE,
Gold "C", Freshman Orien-
tation Counselor.
"It is the movement of peo-
ple, not vehicles, with which
we must be concerned."



Alan L. Howard
98-20 62nd Drive,
Rego Park 74, N. Y.
Lambda Sigma Kappa (Cor-
resp. Scribe), Student Hand-
book Revision Committee,
Pioneer (Copy Editor),
Swimming and Volleyball
Intramurals, AICHE (Secre-
tary), Dean's List.
"Tomorrow is another day."
— Scarlett O'Hara

ChE

Susan R. Huppert
1970 East 18th Street,
Brooklyn 29, N. Y.
GCAC Chairman and Secre-
tary, Captain of Cheerlead-
ers, President of Glee Club,
JAC, ASCE, Chi Epsilon,
Gold "C", Student Leader,
Senior Leader, Gold "C"
Committee, Field Day Com-
mittee, Freshman Orien-
tation Counselor.
"Sing we for love and idle-
ness, naught else is worth
the having."

— Ezra Pound

Al Kainer
1912 Holland Avenue,
Bronx 62, N. Y.
ODP, ASME, Varsity Bas-
ketball, Varsity Sailing
Team Captain, AA, IFC, In-
tramurals.
An eagle, a baron, a clod,
a blue angel, a boat and a
sack of rubies; the best of
all possible worlds.

ME

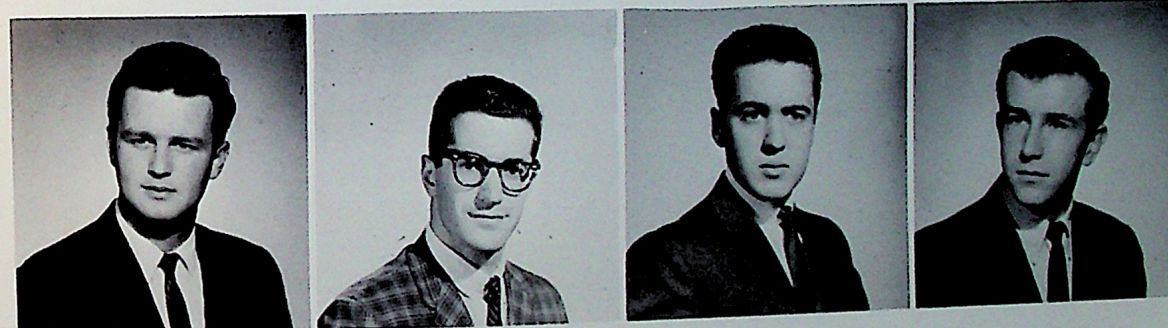
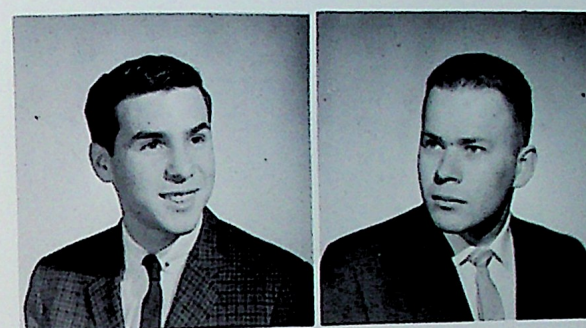
Ira W. Kay
2455 Cruger Avenue,
Bronx 67, N. Y.
Varsity Basketball, AICHE
Intramurals.

ChE

David L. Kleinman
1531-53 Street,
Brooklyn 19, N. Y.
Tau Beta Pi, Treasurer of
Student Bank, Manager of
Table Tennis Intramural
All-Sports Dinner Committee,
Treasurer of AMS, AIEE,
Member of IAC.
"This is not the end. It is
not even the beginning of
the end. It is, rather, the
end of the beginning."

John Kovarna
80-09 35th Avenue,
Jackson Heights 72, N. Y.
Vice-President, Pi Tau Sig-
ma, Member of ODP.

ME



Michael Jacobs
388 Midwood Street,
Brooklyn 25, N. Y.
Sigma Kappa Tau Vice-Pres-
ident and Secretary, THE
SURVEY Editor, Chi Epsilon,
Student Leader, THE
TRANSIT Associate Editor,
AA Governing Board, Ten-
nis Club, ASCE, Basketball,
Volleyball, Softball, Tennis
and Swimming Intramurals.
"But, soft! Methinks I scent
the morning air;"
W. Shakespeare

CE Roger C. Johnson
931 80 Street,
Brooklyn 28, N. Y.
Varsity Volleyball, Varsity
Bowling, AICHE, Intramur-
als.

Jerome M. Lederman ME
176 East 3rd Street,
New York 9, N. Y.
Lambda Sigma Kappa, Pio-
neer Staff, President of Pi
Tau Sigma.
"All people are born naked,
not equal."

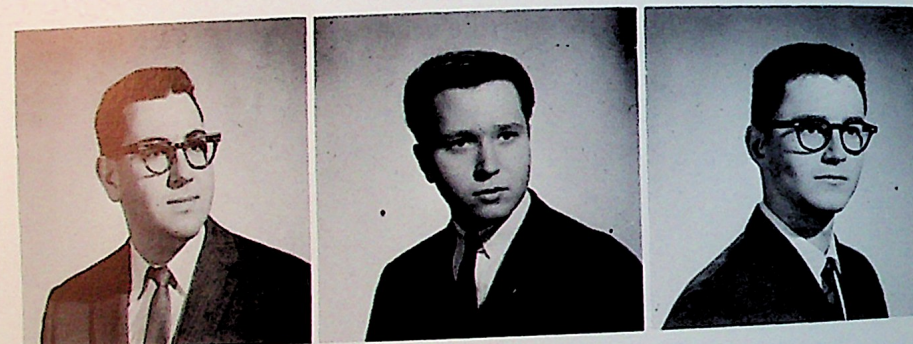
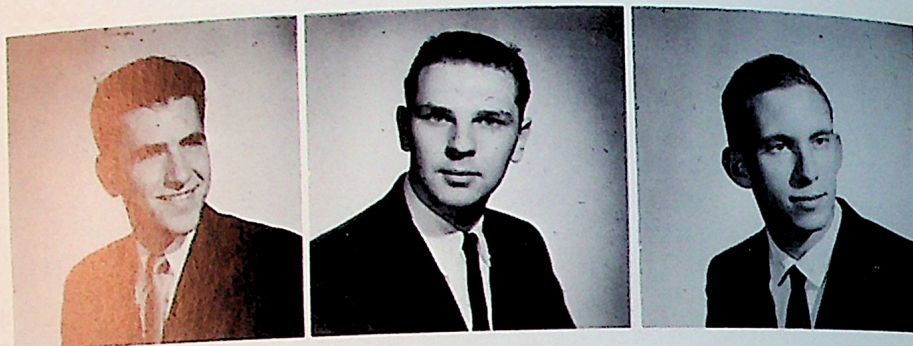
Abraham Lederman

Alvin Levy ME
1407 Linden Boulevard
Brooklyn 12, N. Y.
Beverly, Lambda Sigma
Kappa Ruler, Joint Activi-
ties Committee President, Pi
Tau Sigma, Eng. School
Council President, Activities
Plan Chairman, Sophomore
Class President, ASME, IV
Volleyball, Intramurals.

All in favor . . . opposed
. . . 2 No trump . . . ab-
stentions . . . carried . . .
who's lead is it?

Lawrence H. Lewis ChE
2528 Beltagh Avenue,
Bellmore, L. I., N. Y.
AICHE, Bowling, volleyball
& basketball intramurals,
Camera Club.
"I dare engage, these creat-
ures have their titles and
distinctions of honor; they
contrive little nests and bur-
rows . . ."

Gulliver's Travels



Michael P. Lindheimer
217-35 53 Avenue
Bayside 64, N. Y.
AMS, IRE
Four Clubs

Harvey H. Liss CE
1455 Walton Avenue
New York 52, N. Y.
AMS, PIONEER Business
M'gr, CABLE Copy Editor,
ASCE Treasurer, Student
Leader, ESSC, JAC, Dean's
List, Social Krill Club Chair-
man. Intramurals, Student,
Gold C.
"The world is much feh!!"

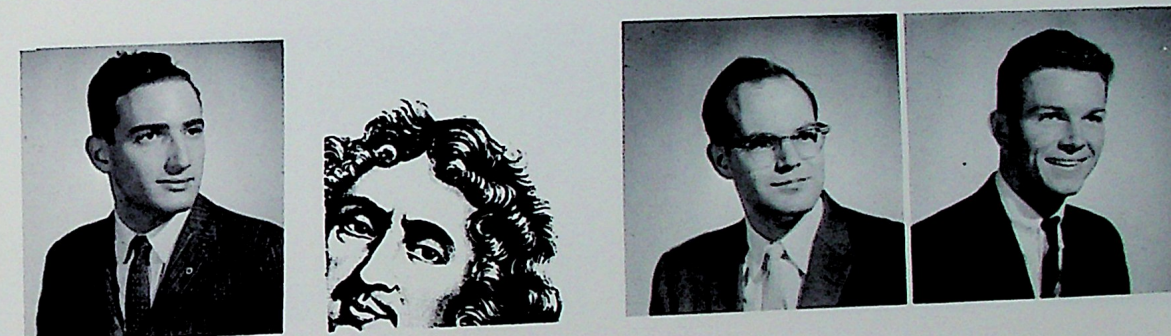
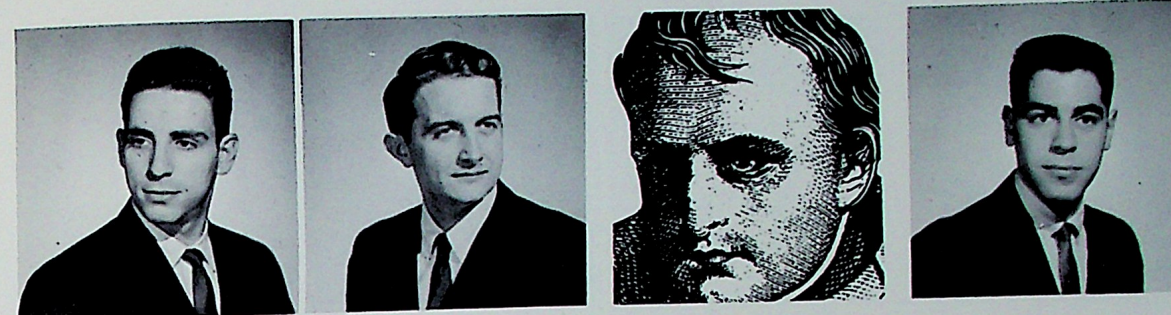
Stuart P. Litt EE
1165 Shakespeare Avenue,
Bronx 52, N. Y.
President Sigma Kappa Tau,
Fraternity, AIEE-IRE, SKT
Bowling Team.
I've cut class so much I'm
ashamed to face the pro-
fessor. I guess I'll have to
cut today.

Murray I. Millander ME
834 Maple Street,
Brooklyn 3, N. Y.
Student President of ASME,
AMS Fraternity, Student
Leader, Intramural Bowling
and ping-pong.

John Louis Mueller ME
408 East 73 Street,
New York 21, N. Y.
ASME

Mark R. Newberger ChE
638 E 2nd Street,
Brooklyn 18, N. Y.
Lambda Sigma Kappa-Treas-
urer, Ass't-Cap't. Varsity
Fencing Team, President
Camera Club AICHE.
"Whenever you feel like
criticizing anyone, just re-
member that all the people
in this world haven't had
the advantages that you've
had."

Fitzgerald



Stanley R. Notkin ME
2129 East 23rd Street,
Brooklyn 29, N. Y.
Vice-President ASME, Tau
Beta Pi, Pi Tau Sigma, Hik-
ing Club.

Jay Lionel Ormsby ME
35-27 62nd Street,
Woodside 77, N. Y.
Hiking Club, ASME.
Ignorance is bliss, and I'm
happy.

Bertil Quarfordt ChE
3806 81 Street,
Elmhurst 73, N. Y.
Basketball Team.

Paul H. Rosche
540 Southern Blvd.,
New York 55, N. Y.
LSK, AICHe, Treasurer
AICHe.

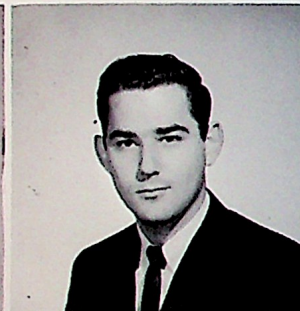
ChE

Frederick J. Salcedo
2025 Ford Street,
Brooklyn 29, N. Y.
Omega Delta Phi Fraternity.
President, Athletic Association
President, Chi Epsilon
Sec'y, Basketball Intramural
Mgr., Intramural basketball,
volleyball, swimming, soft-
ball, Newman Club, Yacht-
ing Club, Rifle Club, ASCE,
Gold C. GCAC, Student
Leader, J.V. Volleyball,
Volleyball Club Team.
Sea of mediocrity; — Fly
above it.

CE

Buddy B. Saleeby
550-77 Street,
Brooklyn 9, N. Y.
ASME.

ME



Michael Robert Samuels
2247 East 29th Street,
Brooklyn 29, N. Y.
Rifle Club & Team, Intra-
mural Bowling, AICHe
(Vice-President 1 yr.) Her-
bert Baldwin Prize, A.P.O.

ChE

Norbert J. Schleimer
1866 Putnam Avenue,
Brooklyn 27, N. Y.

EE

David Z. Schnee
1900 Albemarle Rd.,
Brooklyn 26, N. Y.
Glee Club (Pianist), SZO
(Membership Chairman),
Rifle Club, IRE.
"A man's reach should ex-
ceed his grasp."
Emerson

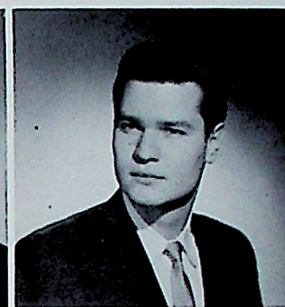
Emerson

Leonard J. Schneidt
54 W. 174 Street,
Bronx 53, N. Y.
Varsity Basketball, ASCE,
SKT Athletic Chairman, Ar-
Editor of Survey, Intramural
basketball, volleyball, soft-
ball, Foul-Shooting Champ
60-61.
If you can help somebody
as you pass along, then
your living has not been
in vain

CE

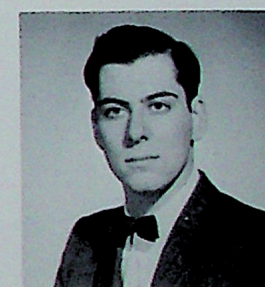
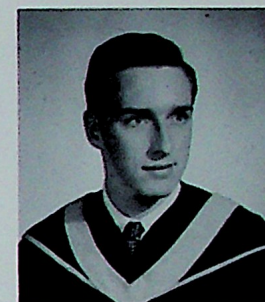
Kenneth Morris Schoenberg
304 East 178th Street,
New York 57, N. Y.
"The Bull Pen," Features
Editor, Pioneer; Sr. ME Rep.
to ESSC; As. Sr. Editor,
Cable; ADC; ASME; SAC;
SKT; SZO.
"I don't believe it. How,
the hell can there be such
a thing as a force?!"

ME



Jeremy Schwartz
1774 Tenbroeck Avenue,
New York 61, N. Y.
SKT Fraternity, P T S Hon-
orary Fraternity, Varsity
Basketball, All intramurals
except bowling, ASME.
No matter how high a bird
flies, you can always break
a window with a hammer

ME



Joseph Paul Seinberg
798 East 21 Street,
Brooklyn 10, N. Y.
Sigma Kappa Tau, Chi Epsi-
lon, ASCE.
Neatless both in work and
personal appearance is a
necessary quality for an
engineer.

CE

L. John Soma
619 Union Avenue
Brooklyn 11, N. Y.
President AICHe Chapter,
A.P.O.
"Odi, et amo: quare id
faciam, fortasse requiris.
Nescio, sed fieri sentio et
excrucior."

ChE

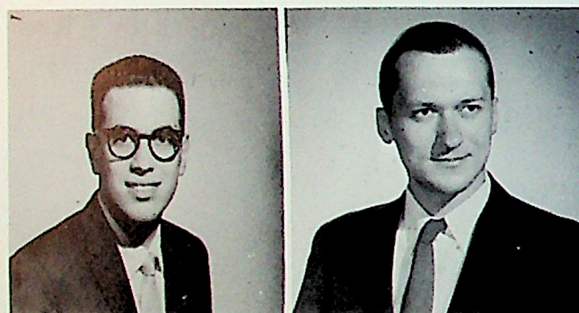
Gilbert I. Starr
1197 Anderson Avenue
Bronx, N. Y.
SZO Secretary, Treasurer,
IRE-AIEE Chapter, Glee
Club, Bowling & volleyball
intramurals.
This is good for a test; no-
body understands it.

EE

EE
Ivan Siern
1764 Gerritsen Avenue
Brooklyn, N. Y.
Chairman "C" Awards Com-
mittee, Vice President A.A.
Vice-Ruler LSK Fraternity
Manager of volleyball in-
tramural, Gold & Silver
"C"s, Business Manager o-
Cable '61; Dean's List, Tau
Beta Pi.
"When I figure this one out
I'm giving it to Byer."
(See Byer)

EE
Vytas Svalbonas
19 Kiely Place,
Brooklyn 8, N. Y.
Chi Epsilon Treasurer, Hon-
or Societies Dinner Chair-
man, ASCE, Hiking Club,
Yacht Team.
"The doors are twisted on
broken hinges. Sheets of
rain swish through on the
wind where the golden girls
ran and the panels read:
We are the greatest city,
the greatest nation:
Nothing like us ever was."
Carl Sandburg

EE
David A. Trutt
39 Marcy Place
Bronx, N. Y.
AIEE-IRE Chairman, Student
Zionist Organization, Bowl-
ing & Volleyball Intramur-
als.
"There was never yet phil-
osopher that could endure
the toothache patiently."
—Shakespeare

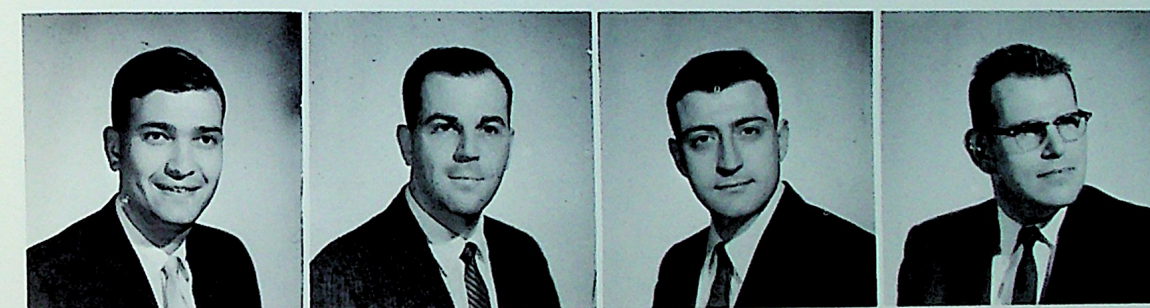


ChE
Martin G. Wagner
77-12 35th Avenue,
Jackson Heights 72, N. Y.
AICHE, Schol. Honors List,
1960-61.

EE
George Waksmonski
69 Clinton Avenue,
Clifton, New Jersey

EE
Robert Wolfe
94 East 52nd Street,
Brooklyn 3, N. Y.
Tau Beta Pi, Emil Schwein-
burg Scholarship, N. Y. S.
Scholarship, Dean's List,
IRE, IRT, AIEE, Blue Cross.
Also tragen wir beständig,
Bis man uns mit einer Hand-
voll Erde endlich stopft die
Mauler, Aber ist das eine
Antwort?

Heine



EE
Walter Brewer, Jr.
189A First Street
Hicksville, N. Y.
Tau Beta Pi (Treasurer)
Institute of Radio Engineers.

EE
Jay R. Burns
1709 Gerritsen Avenue,
Brooklyn 29, N. Y.

ME
Paul Calcaterra
61-11 163 Street,
Flushing 65, N. Y.
Hiking Club, ASME.

EE
Arthur E. Cannon
139-10 28th Road
Flushing 54, N. Y.

ME
Arnold Ackermann
736 West End Avenue,
New York 25, N. Y.
Tau Beta Pi, Pi Tau Sigma.

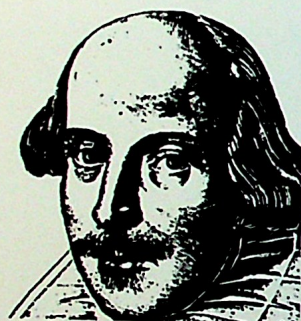
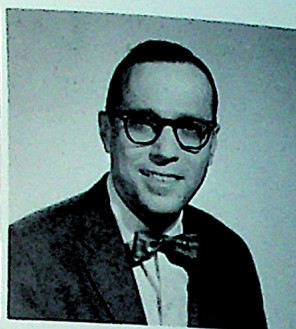
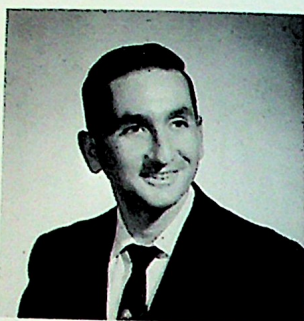
Leon Chernick EE
2875 Ocean Avenue,
Brooklyn 35, N. Y.
Tau Beta Pi (President).



John Davis EE
6801 19th Avenue,
Brooklyn 4, N. Y.
*The real credit and glory
should go to my wife, child-
ren, and the late-late shows
on television, for helping to
make my graduation poss-
ible.*



George P. Drucker ME
4713 8 Avenue,
Brooklyn 20, N. Y.
Goodbye.



Fredric H. Farber EE
R.F.D. #1,
Putnam Valley, N. Y.
Tau Beta Pi.

Frank John Ferrantelli EE
263 W 9th Street,
Deer Park, L. I., N. Y.

Herbert J. Finfer
111-50 75 Rd.,
Forest Hills 75, N. Y.



Cosmo Fiore
59-25 155th Street,
Flushing 55, N. Y.
ASME, PTS.



ME Dominick J. Galofaro
107-51 76th Street,
Ozone Park 17, N. Y.



EE George A. Harvey Str
1303 Park Place
Brooklyn 13, N. Y.
Chess Club (1952).
*The world has prepared no
place for you, only through
struggle and knowledge one
finds his place*



William G. Hitzbuhler ME
103-11 89th Street,
Ozone Park 17, N. Y.

EE Edward A. Kohler
5 Byrd Court,
Kings Park

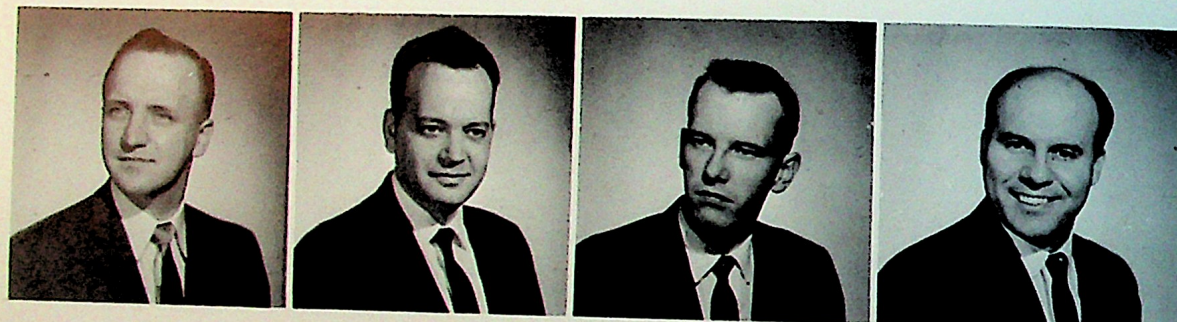
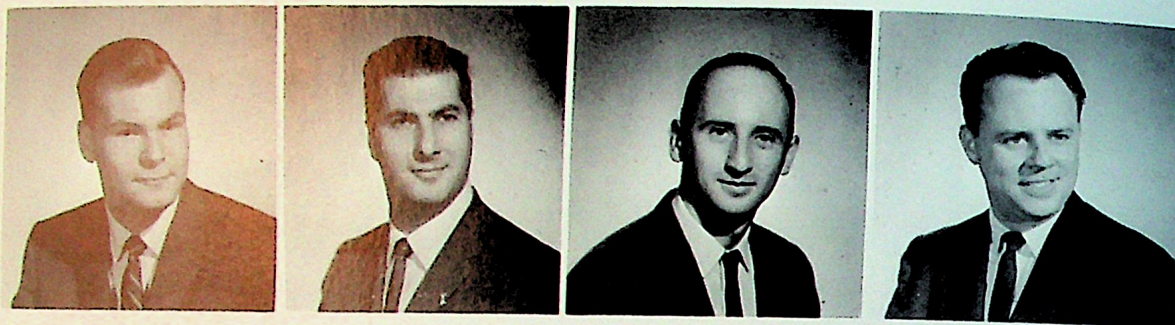
ME Edward A. Latawiec
106 Oakwood Avenue
Cliffside Park, N. J.

Eugene Robert Lehecka ME
266 East 211 Street,
Bronx 67, N. Y.
ASME, Dean's Honor List.
"I can finally get some
sleep."

Norman M. Lieberman EE
2340 Valentine Avenue,
Bronx 58, N. Y.
By the grace of god and
my family's patience!

Harvey Lyons
137 Montague Street,
Brooklyn, N. Y.
Scholastic Honor List.
"Work is the curse of the
drinking class."

ME George Robert Nelson ME
15 Elmwood Terrace
West Caldwell, N. J.



Leslie Harold Olsen ME
94-37 97 Street,
Ozone Park 16, N. Y.
Charter Member APO,
ASME.

Henry Parrondo
262 46th Street,
Brooklyn 20, N. Y.

EE John J. Pasquale ME
65-53 Myrtle Avenue,
Glendale 27, N. Y.
ASME.

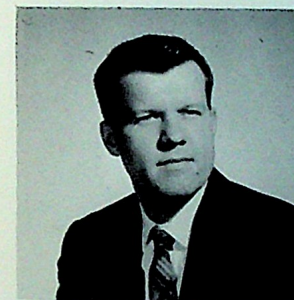
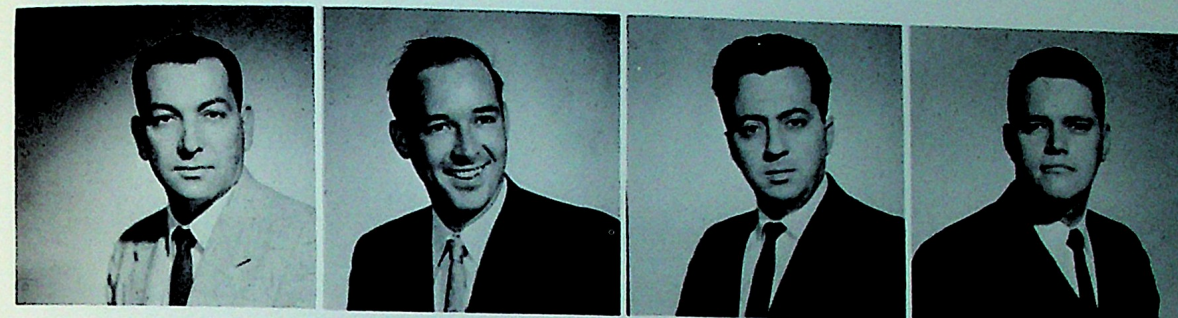
Thomas F. Schroder EE
89-37 199th Street,
Hollis 23, N. Y.

Jack W. Schwalbe Str
94 Portland Place,
Staten Island 1, N. Y.
Chi Epsilon, Vice-President
Senior Class,
God bless you Cooper
Union.

Charles L. Smalley
21 Wyoming Avenue,
Lynbrook, N. Y.
Whew!!

ME Joseph John Spera
119 Schoharie Drive,
Jericho, N. Y.
TBP, IRE..

EE Daniel J. Starrett Str
1803 Second Avenue,
New York 28, N. Y.



Richard Brett Stoeppa ME
49-64 Elm Avenue,
Flushing 55, N. Y.

George A. Sullivan Str
Woodland Blvd., R. D. 2,
Peekskill, N. Y.
Tau Beta Pi; Corresponding
Secretary Chi Epsilon; Vice-
President, ASCE; President-
Senior Class.

Louis A. Tirelli EE
359 Ovington Avenue,
Brooklyn, N. Y.
Newman Club-Pres., P.S.O.
Frat-Secretary, Green Camp
Leader, Hiking Club, Dra-
matic Club, Dean's List.



Juan Wing Troy
227 Fenimore Street,
Brooklyn 25, N. Y.

EE Eric K. Wallstedt
753 Pease Lane,
West Islip, N. Y.
Tau Beta Pi (Vice Pres.)

EE Stanley Watkins
2251 Knapp Street,
Brooklyn 29, N. Y.
I never gave up!

ME Peter J. Waznys ME
94-15 109th Street,
Richmond Hill 19, N. Y.
ASME, Pi Tau Sigma.

Basil McL. Whittingham Str
3028 West 29 Street,
Brooklyn 24, N. Y.
Fencing Club ('53-'56)
President of Fencing Club
(('54-'55), Fencing Team
(('53-'56), Co-Captain of
Fencing Team ('55-'56), 3
year Varsity Award. Gold
"C", Silver "C"; Fencing
Weapon-of-Year Award
(('56) ASCE.



Frank Wilson ME
711 Magenta Street,
Bronx, N. Y.
*The moving hand writes
and having written, moves
on.*

Paul Blomberg
Bethany Drive
Commack, L. I. N. Y.

Des Stuart Dwork
1115 East 31 Street,
Brooklyn 10, N. Y.
Why?

Des Antonya Eisen
50 E. 8 Street,
New York, N. Y.

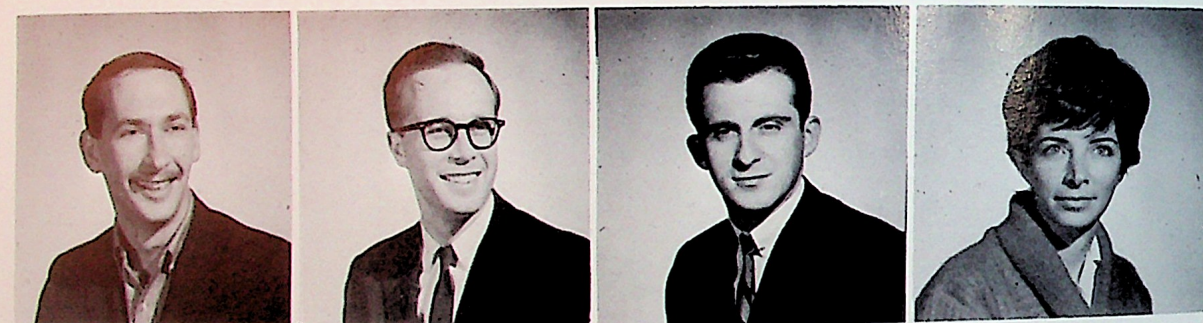
Des

Nina H. Finkle
413 E. 9th Street,
New York 9, N. Y.

Des Robert S. Fried
69-53 180 Street,
Flushing 65, N. Y.

Des Rona Lee Friedman
473 West End Avenue,
New York, N. Y.

Des Ida C. Goldman
2185 Davidson Avenue,
New York 53, N. Y.



Roy Grace
98-05 67th Avenue,
Forest Hills 75, N. Y.

Des Saul Handlers
226 E. 12 Street,
New York, N. Y.
Ban the bomb!

Des Howard E. Hctor Jr.
1598 Unionport Road,
Bronx 62, N. Y.

Des Suzanne Holland
123 Waverly Place,
New York 11, N. Y.

Des

Ann Hosfeld
65 Bank Street,
New York 14, N. Y.

Des Myra Hutchins
784 Columbus Ave.
New York 25

DES Domenick R. Izzo
73 8th Avenue,
New York, N. Y.

Des Olga Kandel
67 E. 7th Street,
New York 3, N. Y.
Student Leader — Green
Camp.



John Kane Jr.
83-75 Woodhaven Blvd.,
Woodhaven 21 N. Y.

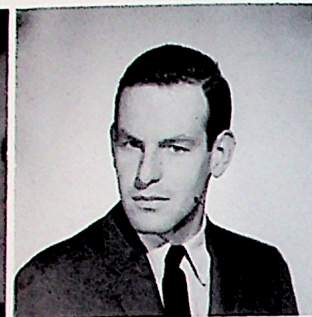
Des Irving Katz
711 Maywood Avenue,
Maywood, N. J.

Des

Richard E. Kennedy Des
198-27 Duntan Avenue,
Hollis 23, N. Y.

Charles Lloyd Kintzing Des
56 Overlook Avenue,
Belleville, N. J.

Eva Esther Toby Koch Des.
517 West 113 Street,
New York 25, N. Y.
I of it, it of eye.



Huguette Martel
151 Second Avenue,
New York 3, N. Y.

Des Peter Nikolits
304 E. 93rd Street,
New York 28, N.Y.

Des Dan Pinzow
40 Horatio Street,
New York 14, N. Y.
Rummaging in 4th Avenue
bookstores for old art books.
Des "Soyez amoureuses, vous
serez heureuses".
Gauguin

Mary Louise Roberts
47 Essex Street,
New York, N. Y.

Des Hedy Silver
182-61 Wexford Terrace,
Jamaica, N. Y.

Des Caroline Waloski Des
120 Eckford Street,
Brooklyn 22, N. Y.
Student Leader.
*Take care of the sense and
the sounds will take care of
themselves.*
*Alice's Adventures in Won-
derland — Lewis Carroll*



Cyril Beveridge
115 Bedford Street,
New York 14, N. Y.

Arch Salvatore J. Cammarata Arch
2085 Kay Avenue,
Union, N. J.

Howard F. Itzkowitz Arch
9910 Seaview Avenue,
Brooklyn 36, N. Y.

Frederick G. Maurer Arch
133 Seaside Avenue,
Stamford, Conn.

Carl Meinhardt Arch
126 E. 12th Street,
New York 3, N. Y.

Richard M. Piken Arch
69-17 179th Street,
Flushing 65, N. Y.



Robert J. Pilberg Arch
1390 E. 31st Street,
Brooklyn 10, N. Y.

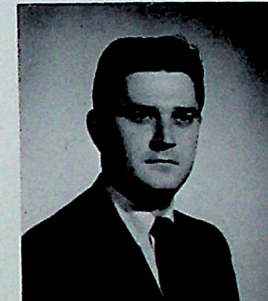
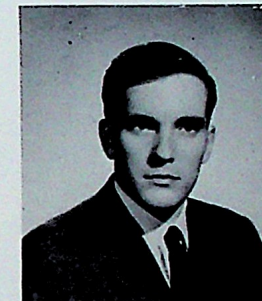
Ann F. Solomon Arch
260 E. 7th Street,
New York 9, N. Y.

Ralph Steinglass Arch
375 E. 205th Street,
New York 67, N. Y.

David A. Stuppelbeen Arch
18 North Moore Street,
New York 13, N. Y.

Alfred J. Akner Arch
2 Morning Glory Road
Levittown, L. I. N. Y.
Student Chapter — American
Institute of Architects.

Robert Dale Ascione Arch
1299 Eastern Parkway,
Brooklyn 33, N. Y.



Raymond Cristobal Arch
2218 21 Street,
Astoria, N. Y.

Dan De Pol Arch
17 Winchester Road,
Yonkers, N. Y.

Barry Goldsmith Arch
995 Willmohr Street,
Brooklyn, N. Y.

Jack Goncor
39 Kenilworth Place,
Brooklyn 10, N. Y.

Arch Joseph F. Imbriani
1153 Rogers Avenue,
Brooklyn, N. Y.

Arch Linda J. Janssen
49 West 9th Street,
New York, N. Y.

Arch Vincent E. Paolicelli
265 Belmont Avenue,
West Hempstead, N. Y.



Rudolph M. Sabatino Arch
1362 58th Street,
Brooklyn 19, N. Y.
Student Chapter AIA, "Ah
Wilderness" Dramatic
Group.
"Let us be guided in our
design not by the walls
which surround us."

Richard A. Pfeiffer Arch
368 Morningside Terrace,
Teaneck, N. J.

Paul Singer Arch
901 Washington Avenue,
Brooklyn, N. Y.

Thomas S. Zedlovich Arch
150-27 8th Avenue,
Whitestone, N.Y.
Basil, 5th floor please.

Richard Bozek EE
8 Richmond Place
Peekskill, N.Y.

William Burnham ME
452 Latham Rd.
Mineola, N.Y.

Angelo DiGiorgio ME
118-11 84th Ave.
Kew Gardens 15

Joseph Fischetti STR
71 Distler Ave.
West Caldwell, N.J.

Joseph Hellman CE
107-23 219th St.
Queens Village 29

Joseph Malecki ME
341 56th St.
Brooklyn, N.Y.

Frederick Nowak EE
753 Whittier St.
New York 59

Roger Wright ME
19 Merritt Ave.
White Plains, N.Y.

Myron Gilson ARCH
29 Lehigh Way
Oakland, N.J.

Joyce Hedman ARCH
248 E. 23rd St.
New York 10

Edward Kretzky ARCH
3277 Perry Ave.
New York 67

Lorene Shannon ARCH
711 West End Ave.
New York 25

Roger Swezey ARCH
170 E. 2nd St.
New York 3

Stanley Veyhl ARCH
89-25 Parsons Blvd.
Jamaica 25

Ernest Acker DES
498 West End Ave.
New York 24

Stanley Bloom DES
400 E. 11th St.
New York 9

Marilyn Grosser DES
99-52 66th Rd.
Forest Hills 74

Robert LoPinto DES
620 Thwaites Place
New York 67

David Marshall DES
139 Pacific St.
Brooklyn 1, N.Y.

Ralph Martel DES
151 2nd Ave.
New York 3

Gerald Montee DES
105 E. 24th St.
New York 10

Peter Paris DES
1521 84th St.
Brooklyn 28, N.Y.

Thornton Rockwell DES
315 Hicks St.
Brooklyn 1, N.Y.

William Schulein DES
6 Angle Lane
Hicksville, N.Y.

Eileen Whalen DES
91 Bedford St.
New York 14

Harold Kaufman ME
1695 Grand Concourse,
New York 23, N.Y.

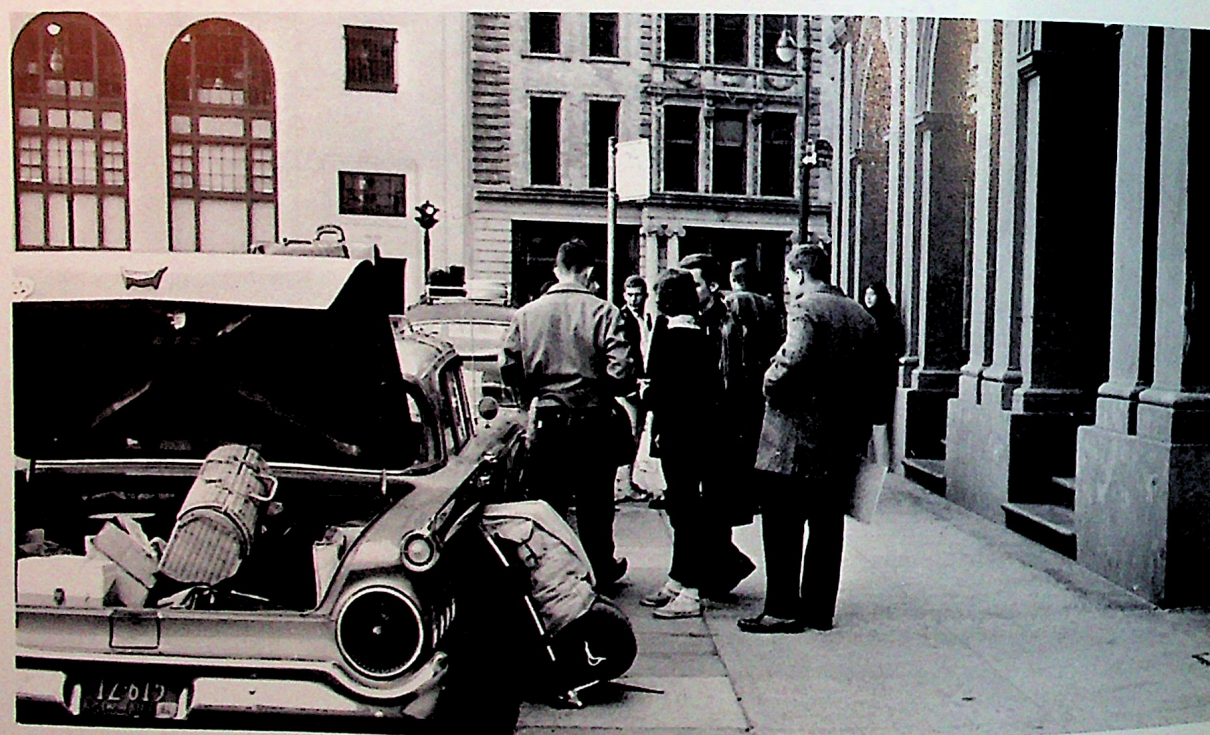




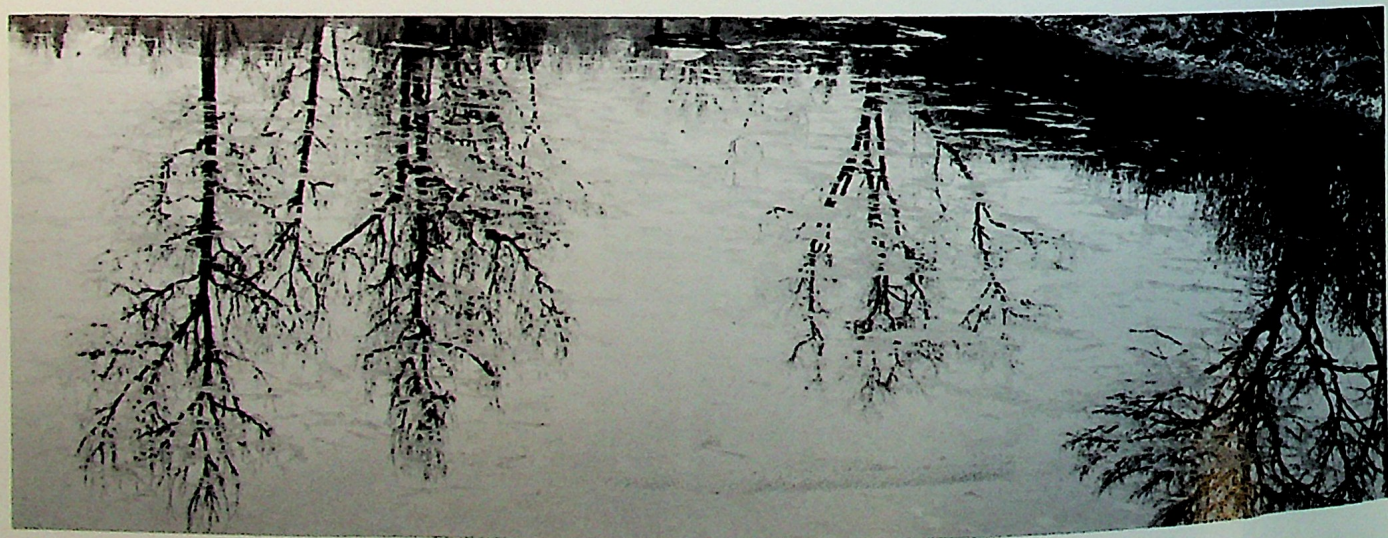
Green Camp is full of people
 Some of whom I like.
 Green Camp is full of places
 free of people.
 Green Camp is full of people
 free of the people
 Some of whom they like.

Shuffleboard, ping-pong, box hockey:
 All inane. Who's care? Who cares?
 All that counts: are there still treetops,
 Meatballs, link springs, bad bridge hands?
 Question not the Green Camp secret;
 Green Camp doesn't ponder yours.

Green Camp is full of people
 loving people
 lightly, deeply
 Learning whom they like.
 Green Camp is full of people
 being people:
 loving people;
 Being whom they like.



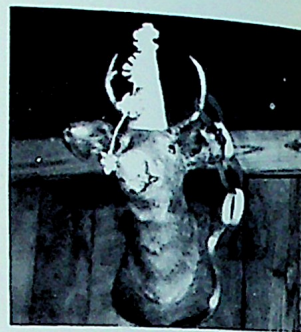
In Green Camp's thousand-acre wilderness one can find the strength and beauty of nature. In the lodges and dormitory, one finds society reduced to a workable size. In the forty-mile separation between the camp and the school, one has both a practical and a ceremonial reminder that school has been left behind, and with it the daily discipline, ambition, and worries involved.



One of the recurrent themes in art that seems hardest to appreciate when we are being busy and efficient in the pastorate. Only when we escape our marvelous man made world to find a haven where the sky does not rain soot, nor the concrete ground hammer away at our nerves with every hurried step, only then are we reminded of the exhilaration to be found in the serenity of nature. Green Camp has this immediate charm of natural beauty.



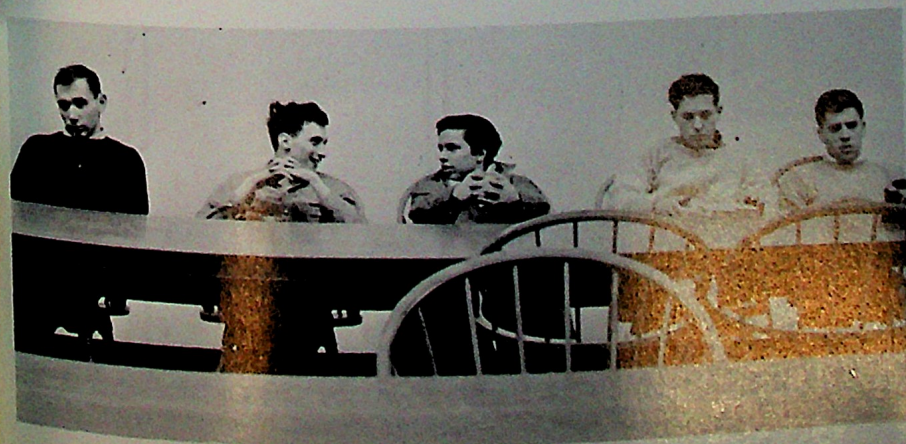
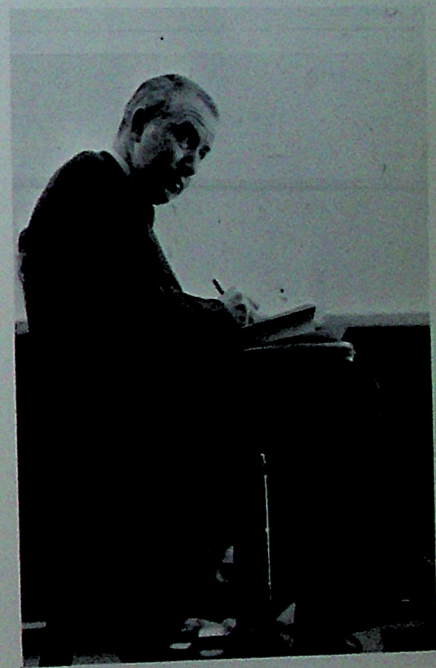
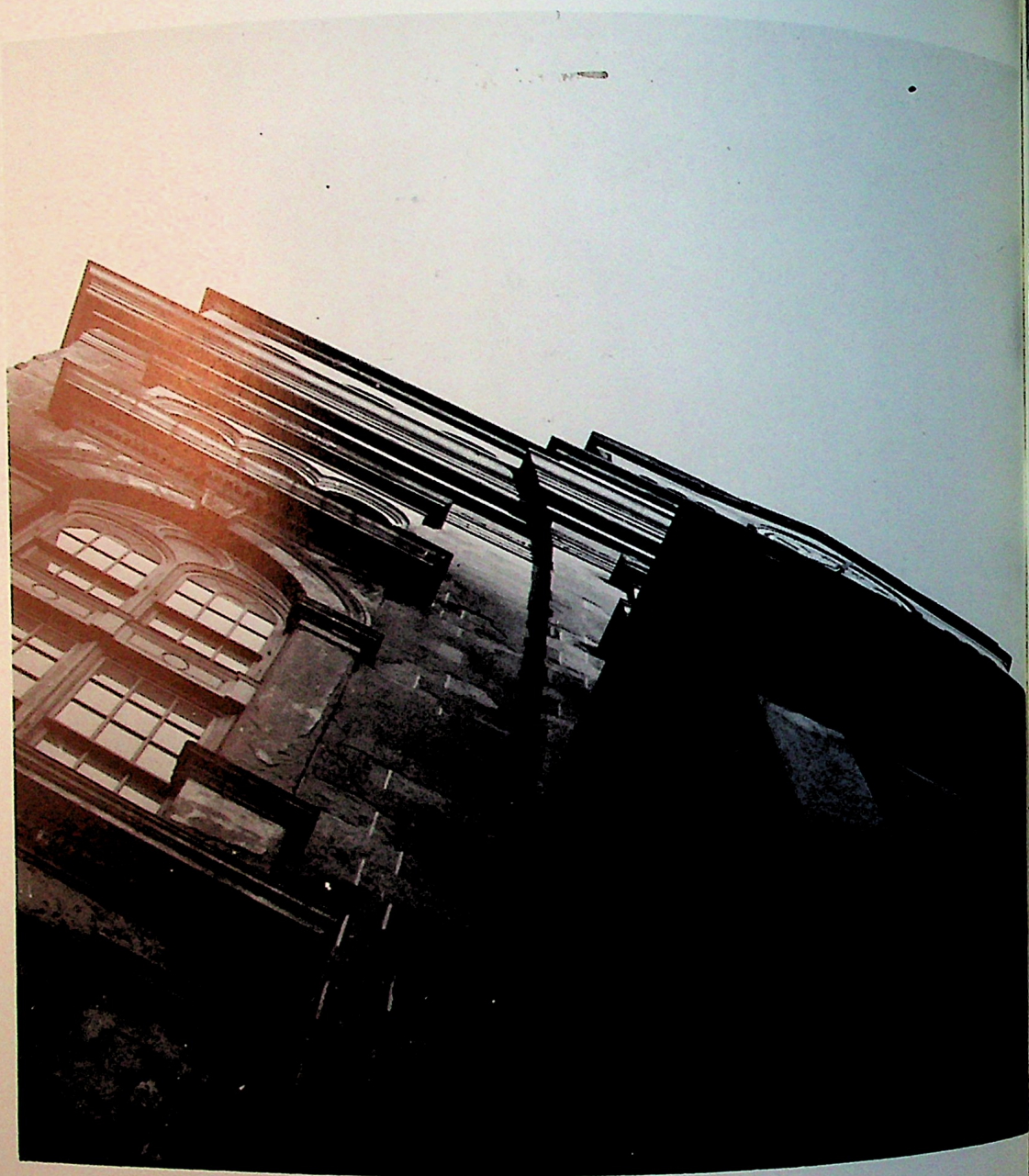
The daily cycle of classes-to-home-work-to classes can leave very little time, will and empathy for one's fellow student. In the isolation and relaxation of a camp trip one can find all three. In care-free fun and menial discipline, the people around you become persons, each one meaningful.



The fact that one has to go away to Green Camp is a blessing, albeit in disguise. The separation of work and relaxation is a necessary discipline. Being but imperfect humans, we need relaxation set apart from our work. The organization of a camp trip is just such a ceremonialized irrefutable time for play, so that the recreation can be relatively free of guilt, and creative.











LIBRARY

"Not all (bums) spend their time in precisely the same way. Each has his own tastes. Some drift into the library of Cooper Union, which stands at the head of the Bowery. It is warm there in winter, but only the literate dare to take advantage of it. Those who fall asleep are quickly ejected into the street again.

Their reading is usually escapist. A book like *The Proper Bostonians*, or a magazine like *Fortune* or *Sports Illustrated* satisfies their taste for the never-never land."

— Elmer Bendiner in the *New York Times* magazine, January 21, 1962.



The Cooper Square neighborhood is indeed richly mixed, and some of the patrons' interest in the library may be primarily in the steam heat. However, among the many and varied people the library serves in our neighborhood are those whose never-never land lies in the realm of serious and highly sophisticated erudition. Of course, there are always we, the noisy, who only go to school here, to drive librarians grey.



THE FORUM

From time to time one meets an enlightened individual who, on hearing that one attends the Cooper Union, exclaims: "Oh! You mean where they have the lectures?" Through the Forum, the Division of Adult Education reaches a numerous and rather general public. This year, the Division has introduced an experimental amplification of its pre-registered short courses, a coordinated three year program in the humanities and social studies. This program, known as the Special Curriculum in Adult Studies, will be presented in the course of six semesters, each semester composed of three ten-lecture courses running concurrently. As an integrated program, the courses can compliment each other, and be expected to produce a cumulative effect unattainable in a random selection of curiosity topics.

MUSEUM

The particular function of a museum is to preserve what we would ordinarily forget about until such time as we should have been sorry for its having been forgotten. The Cooper Union Museum does this in the field of decorative art, and also houses a good print collection and the Museum Library, or rare book collection.

Drawing on its various collections, the Museum presents organized displays for the general public perusal. These are logically organized to illustrate a point, while always esthetically arranged to please the viewer. Ranging from the permanent series on the Elements of Design to the annual New York Artists' and Craftsmen's Exhibit, these displays are another way in which the Cooper Union serves the community, quite independently of its undergraduate schools.



Last February 12, the casual observer at Cooper Square might have noticed strange goings-on at Peter Cooper's Union. A flourish of trumpets rattled off the stolid brownstone tenements; the drab Third Avenue scene was brightened by a lengthy parade of tasseled and gowned figures filing into the Great Hall, and Cadillacs and Imperials line Astor Place. The occasion for these activities was the formal installation of Cooper Union's seventh President, Richard Franklin Humphreys.

On the one hundred-seventy-first anniversary of its founder's birthday, the Cooper Union observed a day unusually heavy with significance, even for its eventful second century. As is proper at such times, fanfare and spectacle were given their due consideration — three hundred delegates of colleges and learned societies conveyed their respects and looked on as trustee Irving Olds presented the silver mace, symbol of his new authority, to Dr. Humphreys. Later, at the Waldorf-Astoria, a luncheon for some 1300 friends of the Cooper Union continued the festivities into the afternoon.

After the pomp and ceremony have been forgotten, the mantle of weighty responsibility will sit heavily upon the shoulders of Cooper's President. Few of his predecessors have been faced with such problems and opportunities as he in charting Cooper's course and exploring its responsibilities for new educational service. Dr. Humphreys proven ability in the fields of Education and Science, as well as those in Music and the Arts foreshadow a successful tenure in a long and honorable tradition.



On the evening of Friday, January 26, 1962, the New York Iota Chapter of Tau Beta Pi conducted ceremonies dedicating a four foot replica of the Bent of Tau Beta Pi to the late Dean George Frederick Bateman.

The reverence in which Dean Bateman is still held today, is indicated by the formal dedication to his monument in the new Engineering building; which reads, in part:

"His catholic interests beyond engineering, however, were responsible for his unique contribution to engineering education. As an aesthete in music and art, a sophisticated traveler, a discriminating gourmet, and collector of distinctive books, he sensed the importance of the Humanities subjects in education and ultimately introduced them into the engineering curriculum.

It is, indeed, befitting his devoted service that this chapter now dedicated the mark of Tau Beta Pi to honor George Frederick Bateman, 1886-1948, charter member, Tau Beta Pi."



Dr. Richard S. Ball, Dean of Students



Prof. J. Clinton Hollinger, Director of Athletics

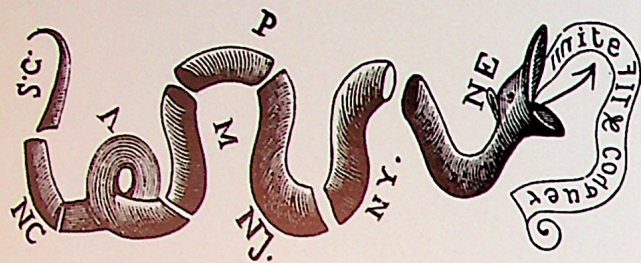
When Peter Cooper envisaged his "Union", his plans for the students of that institution went far beyond the simple creation of competent engineers and artists. Though the term "educating the whole man" is a familiar enough one today, it was something of a novelty in the 1850's, especially where a free college was concerned. That Peter Cooper was determined to foster such growth through extracurricular activities and assumption of outside responsibilities is shown by his letter to the Trustees, dated April 29, 1859, which reads, in part:

"Desiring as I do that the students of this institution may become pre-eminent examples in the practice of all the virtues, I have determined to give them an opportunity to distinguish themselves for their good judgement by annually recommending to the Trustees for adoption, such rules and regulations as they, on mature reflection, shall believe to be necessary and proper, to preserve good morals and good order throughout their connection with this institution."

The founder thus hoped to see a student-controlled program of extra-curricular life with a minimum of supervision from faculty and administration, and so it has remained for over a hundred years.

The activities and student government of Cooper have a long and varied history. Fat and lean years have come and gone; the errors that invariably accompany such a program have often been painfully apparent, especially when accentuated by an apathy on the part of a large segment of the student body. Nevertheless, the fastest growth of a student's character may often come under the most adverse, as well as the most favorable conditions. The student, placed in a position of unaccustomed stress and responsibility, may outdo himself in rising to the occasion. This experience cannot be learned from any textbook ever written; it is life.

A "minimum of faculty control", fortunately, has not meant a minimum of faculty concern for extracurricular activities. Numerous members of the faculty and administration, as well as others less well known have given generously of their time in furthering this cause. May it continue to thrive in the future.



JOIN or DIE



Activities Plan

This year saw an increase in student participation in AP which yielded greater revenue and a more varied program of activities than has been common in recent years. The social life of Cooperites was not neglected by AP. Once again, the Annual Dance came off well, and SAC ran its usual robust affairs (Skit Nite, Square Dance) with the added attraction of a gala Christmas party. Student publications were similarly aided. For the first time in many years, the Pioneer was supported completely by the student body, and a larger (and it is hoped, better) Cable was published. Finally, the Athletic Association and Gold "C" programs were supported from AP's vast (?) treasury.

The success of this program was attributed to a more spirited and activity minded student body. If this improvement continues, we may expect to see an organized activities program on a much larger scale in the near future.

Student Council

The Student Council launched a new policy this year to become more influential in school politics. The council spent most of the first semester studying the rules that govern the new engineering building, and after considerable deliberation, presented a recommendation for certain changes to the administration. Unfortunately, the chances of a bar being installed in the Wollman Lounge appear to be rather slim.

The council also discussed many other problems during the past school year. Among these were vandalism in the new building, and the possibility of a Cooper entry in the G.E. "College Bowl." On December 1, the council sponsored an open house for families and friends of engineering students, resulting in a turnout of over a hundred persons.

In general, this was a very successful year, due largely to the fine help and guidance of the administration, which showed a genuine interest in helping the council develop leadership in student government.

Interfraternity Council

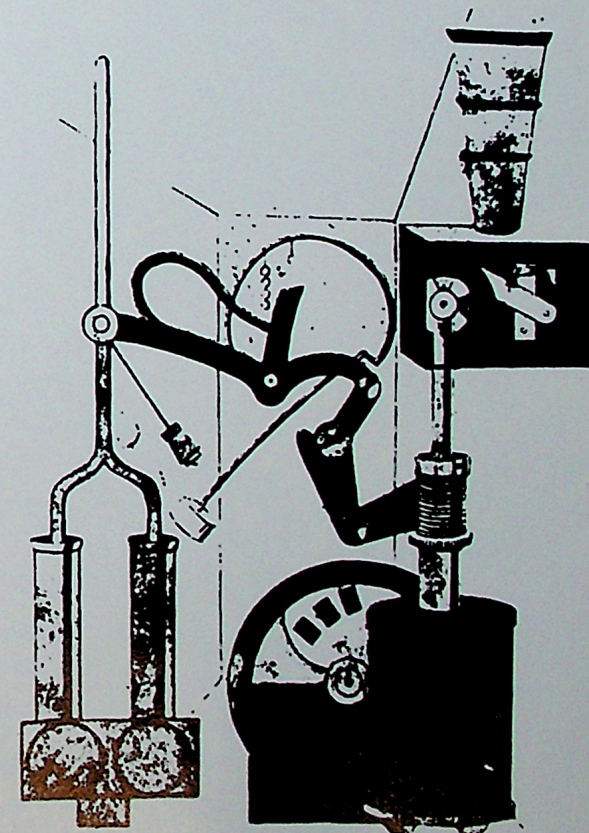
The function of the IFC is threefold: to coordinate the dates for the introductory smokers, to provide a forum for the discussion of mutual problems, and to enable the social fraternities to sponsor joint activities. This year, special emphasis was placed on greater support for such SAC-sponsored functions as Skit Nite. Joel Blank and his council also worked hard to bring about closer liaison with the administration and the student body on such matters as concerned the social life of Cooperites.



Joint Activities Committee

The Joint Activities Committee of Cooper Union, finding itself with the usual task of bringing extracurricular activities to a subway school, attempted to carry out its aim by coordinating activities, calling the attention of the student to student government, and trying to unite the Art and Engineering schools to a greater extent.

Al Levy presided over such discussions as the allocation of AP funds (which resulted in impassioned pleas for money designed to make strong men cry — they seldom did.), the operation of the Cooper Blood Bank, and the plans for raising increased funds for the finance of student activities (the proposal to have TV coverage of the commencement exercises was ripped in the bud by an unsympathetic administration). In spite of this and other setbacks, JAC nevertheless served its purpose, that of providing support and direction for that many-headed monster, Cooper activities. Special thanks are due the hard working advisors of JAC, in particular Dean of Students, Dr. Richard Ball.



Athletic Association



A revitalized AA has added new spice to the Cooper Union athletic program. A new rifle intramural, three-man basketball, and team pictures for all intramural winners are among this year's additions to the already extensive list of AA activities. Foremost among these additions is an "extramural" day at Green Camp, wherein the intramural victors of a guest school are to be invited for a day of competition with Cooper's intramural champs.

The intramural program has always been a big success, and this year, it is expected to be better than ever. In addition to the usual fraternity, class, and section teams, strong independent teams are expected to put in their bids for the top positions.

Field Day turned out to be highly successful in spite of the rain (the second such Field Day downpour in fourteen years.) Of course, to top off the year there will again be the festive All-Sports dinner, at which the athletic achievements of Cooperites will be rewarded.



Annual Dance

The Cooper Union Annual Dance, held on March 30 at the Hotel Edison Ballroom, was once again a huge success, as a good portion of the student body attended and danced the evening away 'till 1:00 AM. The Tom Leighton orchestra was praised by those present, although some felt that not enough "twists" were included in the program. The band very wisely substituted a few slow numbers; most of the couple couldn't keep their minds on the twist, anyway.

When it was discovered, earlier in the year that the night of the dance had been changed from a Saturday to a Friday, many voices were raised to chairman Rick Simon in objection. However, when March 30 rolled around, the spirit of enjoyment at the dance made this issue an insignificant one.

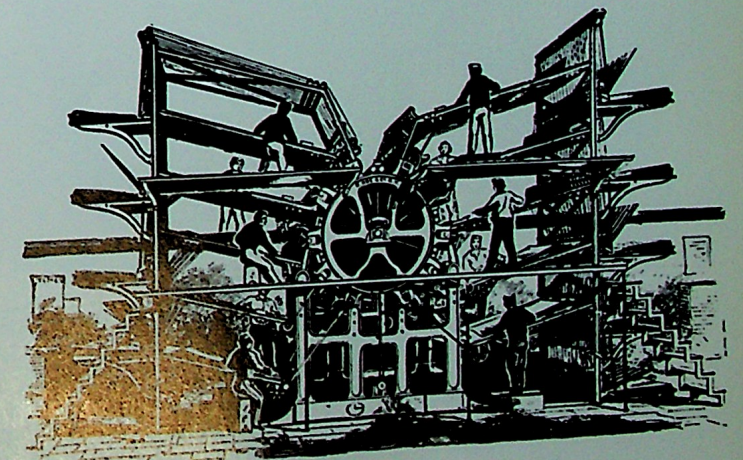
Green Camp Advisory Committee

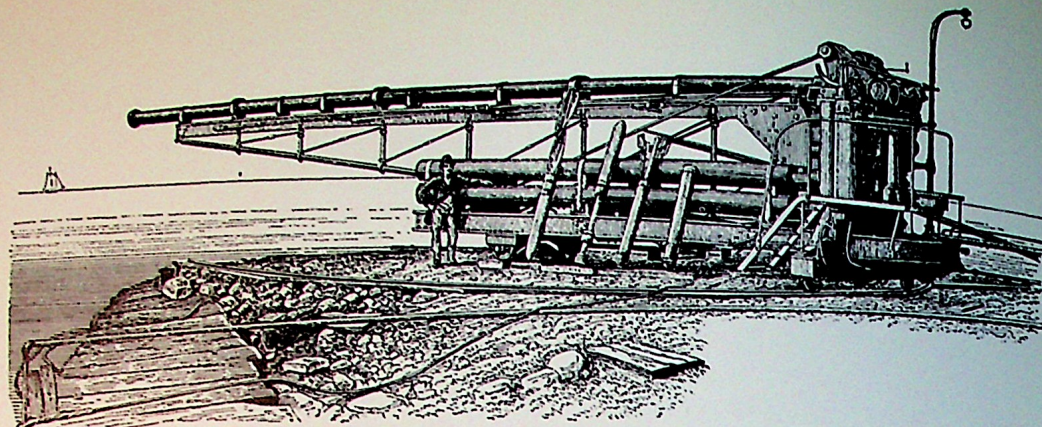
The GCAC, under the chairmanship of Sue Huppert, was comprised of student leaders from both schools of Cooper Union. The chairman is elected by these leaders, and who, in turn, appoints the council members. The major function of GCAC is to act as intermediate between the students and the Camp Director and Administration. The training of new student leaders at the annual Student Leader Orientation Session (SLOS) and the formulation of the camp schedule for the year are the major undertakings of the committee at the present time. Many constructive suggestions for the improvement of camp trips and camp policy also originated within the committee.

The Pioneer

In September of 1961, the Pioneer began its new year under the joint editorship of Karl Dolle and Gary Grulick (or Gary Grulick and Karl Dolle, depending upon whom you happened to be talking to.) Undaunted by this kind of competition, the New York Times refused to concede defeat and continued publishing its daily issues.

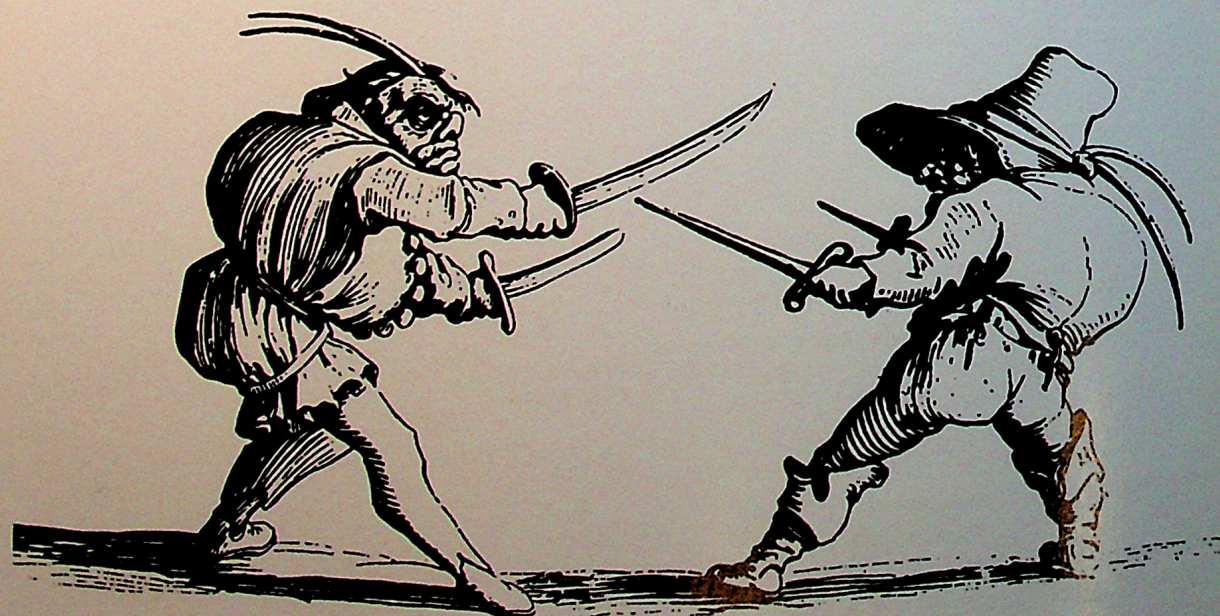
The casual observer in the Foundation Building often observed these stalwarts and/or their cohorts hunting up hitherto undiscovered news or creating some, depending upon the amount of copy available at the time. The result of these diligent efforts was an approximately bi-weekly publication of the Pioneer (a Pioneer which scored such notable scoops as the discovery that the real President of Cooper Union was a shadowy figure named "Murphreys", who pulls the administration strings through his agent, Dr. Humphreys) which satisfied the students' desire for an active newspaper, and a forum for bursts of constructive and destructive criticism.





Fencing

The Cooper Union Fencing Team may be seen on weeknights going through some wild gyrations which outsiders may believe to be a ceremonial ritual. Upon the completion of these antics, the swordsmen don uniforms that would shock even the most imaginative Parisian designer. With all these preparations, the Cooper D'Artagnans set to work to see what could be done to improve upon a disappointing 1960-61 season. In the dark interior of the COAN, the fencers, led by their coach, Robert West, finally came up with a winning combination. The veteran 1961-62 squad set right to work and won their first three matches over formidable opposition.



Rifle Club

The Cooper Union Rifle Club enjoyed its most successful year in recent history. All club activities were expanded and improved. The first school-wide rifle intramural was held and promises to become a regular part of the club program. Activities at Green Camp included several trips to the Rifle Cabin, a new tournament on Alumni Day, and the traditional Gano Dunn Match and picnic. Of course, the club was well represented at the freshman orientation sessions. Finally, the most notable improvement this year was in the record of the Varsity Rifle Team. Scoring highs of three years' standing were broken early in the year, and several of the team's traditional rivals were soundly beaten.

Hiking Club

As a result of a Madison Avenue type membership drive, the enrollment of the CUHC grew to its largest ever. The active members have been up and down mountains, in and out of caves, and have generally met nature on her own terms. Trips were made to the Catskills, Green Camp, and Connecticut in order to acquaint jaded city dwellers with the beauties of the outdoors as well as that hazardous-looking, but actually as safe as sitting in your own bed, fellas, method of mountain climbing — rappelling.

Nor has this been the only outlet for the boundless (well, almost) energies of the club members. The ever popular country-club weekend with MIOCA at Green Camp, and the turkey roast at Cupsaw shelter drew unusually large turnouts, and, of course, the cider-permeated square dances and skiing trips were back as expected. To spike a rumor concerning the Cooper nimrods, it is definitely not standard club policy to consume powdered milk by eating the powder dry, drinking copious jugs of water, and jumping up and down.



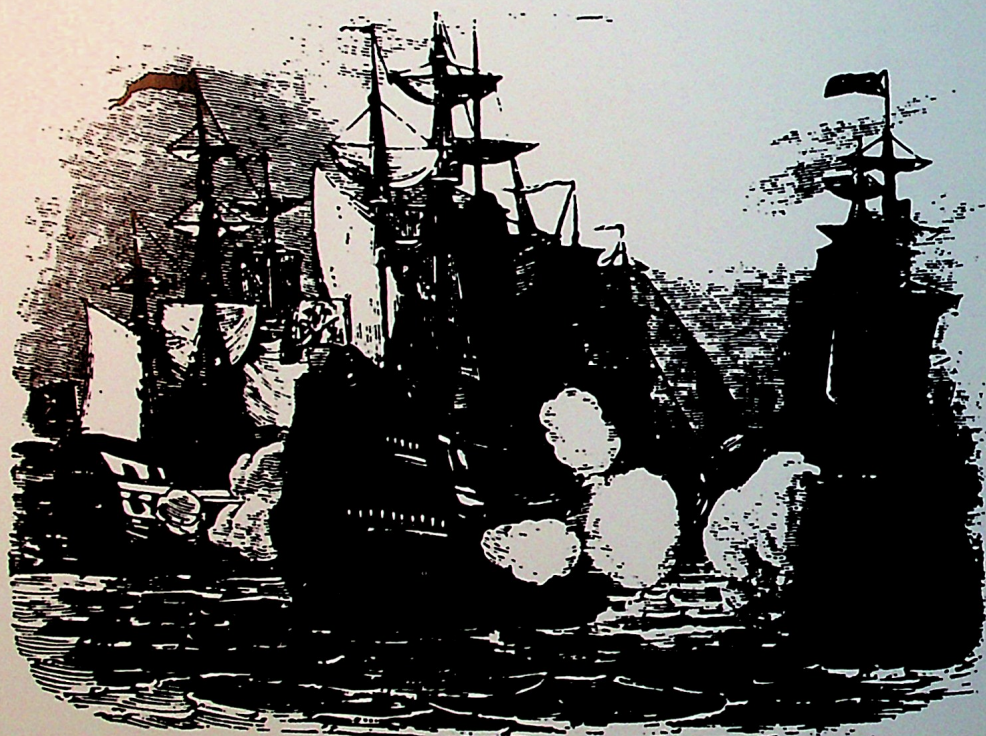
Glee Club

Contrary to the connotations of its name, the Cooper Union Glee Club is a co-ed organization, drawing its members from the Art and Engineering schools. The only requirement for membership is a true enjoyment of singing. Although this pleasure, which requires no practice, often outweighs perfection, the Glee Club is always warmly received. This year's two major performances were at the Faculty Christmas Party and at the Annual Dance. Officers were Jeff Olswang, director, and Sue Huppert, president.

Sailing Team

Propelled through the season by enthusiasm and vigor, the Cooper Union Sailing Team's mediocre record in inter-collegiate competition belies the quite substantial improvement over last year's spirit and nautical finesse. This year, the team was buoyed up by a large group of eager freshman sailors. The racing season was not without its fond memories: a dunking at Fort Schuyler, Captain Al Kainer's first in the championships at King's Point, racing jets at Monmouth. All of these, and many more like them contributed to an enjoyable and memorable season.

With the close cooperation, and fine support of the Sailing Club, the future looks very bright for next year as the freshmen mature and develop into veteran tars.



Bowling Intramurals

This year's "holy roller" tournament saw the boys from E. 7th St., ODP, claim victory in both the Monday and Wednesday loops. In the Monday league, ODP 'A' managed to slip past Section 5, their closest competitors by an 11-10 margin, while in the Wednesday league, ODP's 'B' squad nipped SKT and LSK, despite a last day rally by the latter. The finals? All ODP.

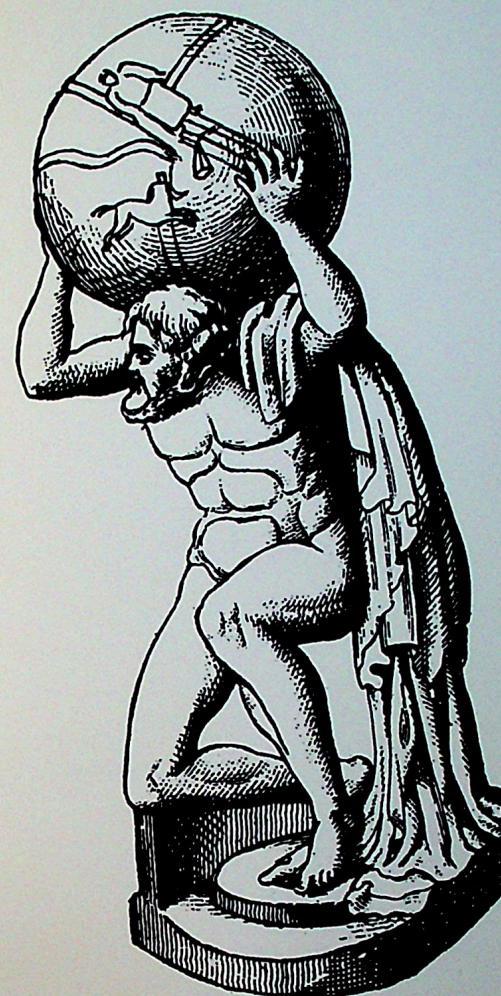
Bowling Club and Team

Cooper Union's Bowling Club is run by the students under the able direction of its faculty advisor, Professor Pizzirusso, for the purpose of promoting incentive and general guidance in Bowling. The club's primary function is to build and maintain a supply of sufficiently skilled bowlers to compete on a college varsity level. To this end, the club has held bowling tournaments in past years, as well as the annual Freshman Intrasectional Tournament.

This year's varsity team under the captainship of Bill Rohan hopes to duplicate the first divisional finishes of the EIBC of the last two seasons.

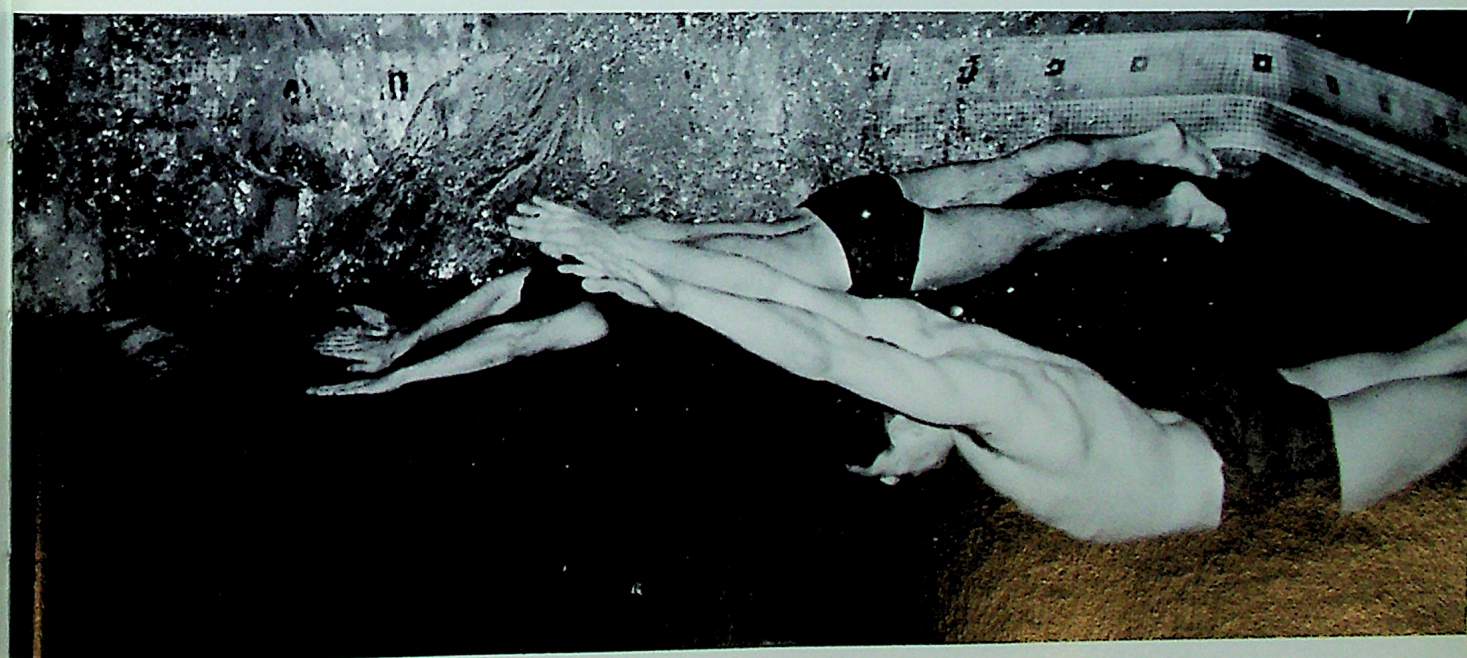
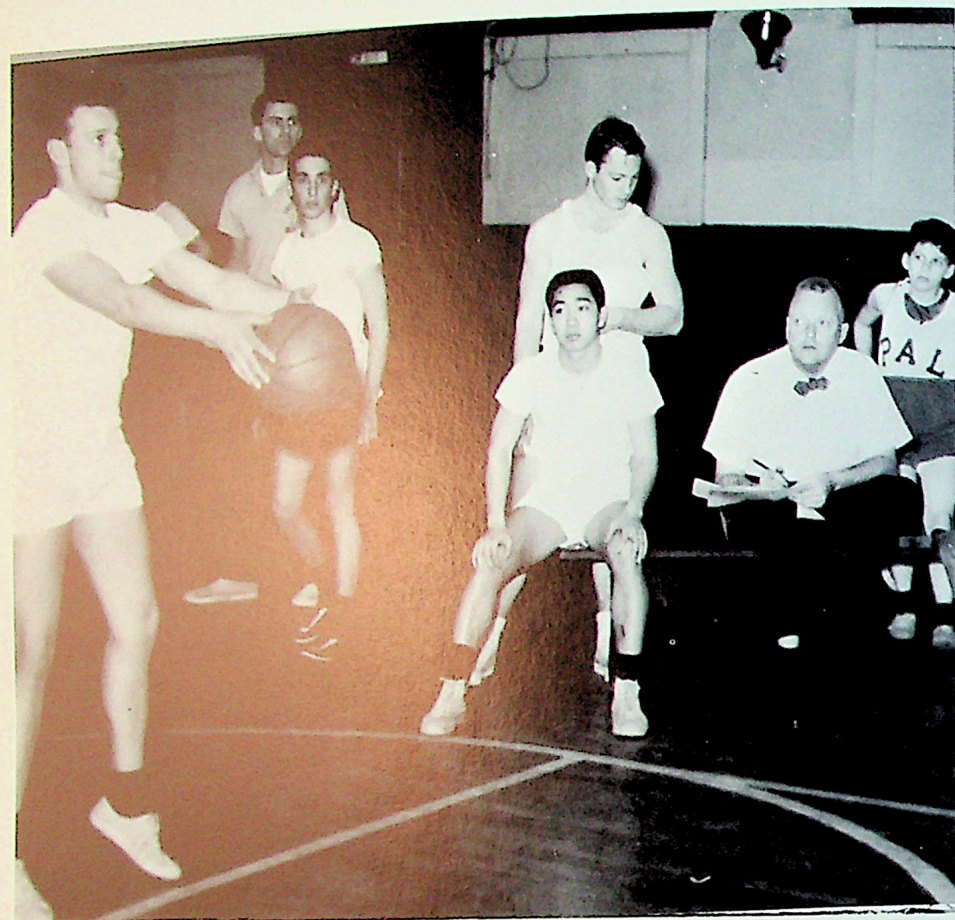
Other highlights of the year include the annual Varsity-Faculty match, and the Varsity-Alumni tilt. (Why didn't Salerno, Schmidt, and Seitelman bowl as well when they were on the varsity?) Another favorite event of the club is the annual duck pin bowl, where the top scores run in the 90's, and strikes are few and far between.

Rounding out the bowling season is the team's annual dinner at the Steak Joint, with Coach Henry Spiro (C.U. '22) picking up the tab, to celebrate the end of another victorious season.



Volleyball Intramurals

In one of the greatest duels in the history of Cooper volleyball, ODP fraternity captured the trophy for the intramural tournament by squeaking past SKT in the finals. ODP, Gold league champions, took on the Maroon loop champions at the Church of All Nations on November 2. In a grueling contest, ODP copped games one and two, while SKT bounced back to take the next two. The deciding game, played under an eight minute time limit, saw ODP break an 11-11 tie as time ran out, and emerge on top, 12-11.

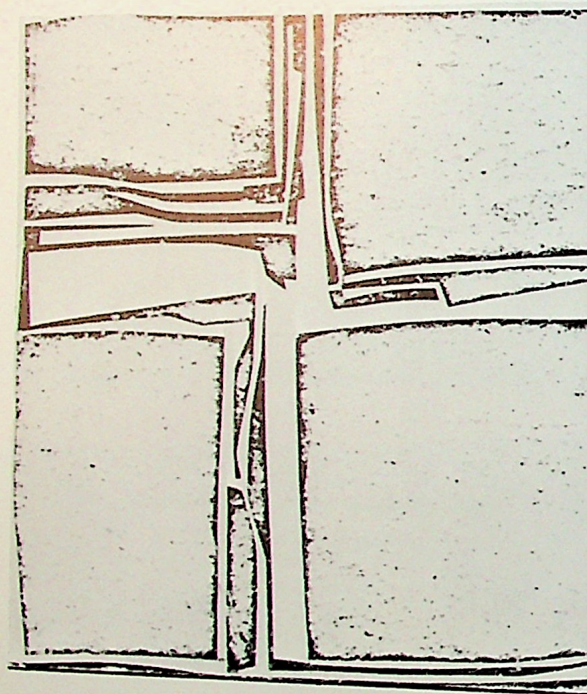


Protestant Club

Besides educating us for a particular skill, college aims to develop us inwardly to meet the challenges and wrestle with the problems in life. The Christian faith acknowledges God's concern for us and His power to work in this maturing process. The purpose of the Protestant Club is to provide avenues for spiritual education and opportunities for service and expression.

The club does this through a program of study and worship in an atmosphere of Christian fellowship, meeting once a week for prayer, discussion, Bible study, and talks by guest speakers. The program is planned with the specific interests of the members in mind, and is directed toward contemporary situations.

In addition to its regular meetings in school, the club spends two weekends each year at Green Camp, taking advantage not only of the recreational facilities, but also of the relaxed, informal atmosphere in explorations of topics of interest. Frequently, guest speakers are engaged. Once each year, at Christmas-time, the Club joins with other organizations to sing carols at Bellevue Hospital.



Newman Club

An organization of Catholic students on a secular campus, the Newman Club forms a vital nucleus for the advancement of Catholicism among the student body. The primary objective is pursued through such diverse activities as talks by speakers on topics of religious interest and round table discussions among the members. Since a well rounded Catholic must be an example to all, ample opportunity is given for social fraternization. All the activities of the Newman Club are therefore seen to lead not only to the advancement of Catholicism, but also to the advancement of Catholics in our present world.

STUDENT ZIONIST ORGANIZATION

The SZO of Cooper Union has certain specific goals. First, to interpret to the students, faculty, and community the history, meaning, and promise of both Zionism and the state of Israel. Secondly, to encourage Jewish students in the study and participation of all aspects of affirmative Jewish living.

These goals are accomplished through a program planned to include educational, cultural, and social activities. This plan provides for expert speakers from outside organizations, as well as Cooper itself, and for the showing of films such as those depicting the land redevelopment program of the new state of Israel.

The highlights of the club's social activities include a trip to Green Camp, and similar, intercollegiate weekends at other locales. These events give students the occasion to socialize with each other, and with their counterparts at other colleges.



SANE

The Cooper Union Student Committee for a Sane Nuclear Policy, better known as SANE, works in conjunction with other student and adult peace groups in an effort to promote public awareness of the need for disarmament. Along with similar groups, it believes that war can no longer be thought of as a solution to international disputes.

Through such activities as films, debates, demonstrations, and distribution of literature, it hopes to promote interest in this vital topic. The most significant campaign of the year was a mass demonstration and rally in Washington, D.C., with students from coast to coast in attendance.

Debating Society

The word's the thing in the Cooper Union Debating Society. Drawing its membership from among the more loquacious of the students, this small, but not silent group exhibits more eloquence per square inch than can be found anywhere in the school.



Humanities Club

The difficulties of providing sufficient coverage of the Humanities in the crowded schedules of the Art and Engineering Schools is the prime motive for the existence of the Humanities Club.

Let no one think, however, that this small but energetic group buries itself in esoteric theory of obscure and dusty topics; rather, the club's Fine Arts, Social Philosophy, and Literary Committees sponsor discussions of current books, plays and ideas — items of *living* interest to the college student of today. Too, the services of the club provide the opportunity for the student to plunk himself down in 103F with a sandwich and a bottle of soda and spend a pleasant lunch hour with the music of Brahms or Handel.

Great Hall Players

For artists with paint on their faces after a project, or engineers with pain on theirs after an exam, Cooper's own thespian club, the Great Hall Players is a welcome medium to transport weary students from the sometimes mundane world of Cooper Square to the magic land of greasepaint and limelight.

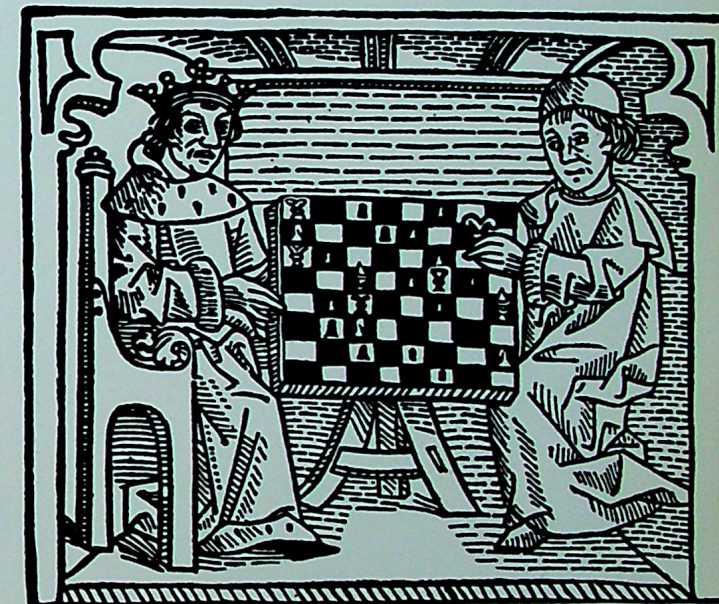
However, the polished performances and smooth teamwork are due to no magic but hard work and unusually able direction of Mr. Herbert Bott, Prof. Richard Bowman is faculty advisor.



Chess Club

For those with medieval minds and feudal personalities, the Chess Club has been a haven from the machine culture of our times. Here the student whose use of strategy is normally limited to outwitting that little old lady in getting a seat on the BMT has an opportunity to bring his deeper plotting nature to the fore.

This year has seen the emergence of CU as a chess power to be reckoned with in intercollegiate competition. Power-packed with such aces as "Slippery Steve" Sousk, George "The Mad Ukrainian" Sendekyj and Emil "The Terrible" Tobenfeld, the woodpushers have taken on schools like national champ Brooklyn College, NYU, Fordham, and others. Most notable success: Steve Sousk's draw with the national collegiate champ in the Brooklyn College match.



FRATS & SOCIETIES



TAU BETA PI

The Tau Beta Pi Association, national engineering honor society was founded at Lehigh University in 1885 by Edward Higginson Williams, Jr., "to mark in a fitting manner those who have conferred honor upon their Alma Mater by distinguished scholarship and exemplary character as undergraduates in engineering, or by their attainments as alumni in the field of engineering, and to foster a spirit of liberal culture in the engineering colleges of America."

—Preamble to the Tau Beta Pi Constitution
The Society is represented at the Cooper Union by New York Iota Chapter, which has provided the School of Engineering with tutorial and course evaluation programs for several years. In order to further the "spirit of liberal culture", the chapter awards an annual prize for excellence in the Humanities. This year a stunning oversize replica of the Fent, the Tau Beta Pi key, was hung in the Engineering Building entrance, dedicated to the memory of Dean Bateman, an alumnus of TBP.

Leon Chernick: President
Eric Wallstedt: Vice-President
George Sullivan: Corresponding Secretary
Walter Brewer, Jr.: Treasurer
Prof. Miller: Faculty Advisor

Top Row: Left to Right: Gerd Printz, Marshall Rafal, Arnold Ackermann, Roger Sullivan, Frederick Nowak, Barry Schectman, Joseph Spera, Eric Wallstedt, David Rubin, Robert Corvini, Frederick Salcedo, James Chan. Middle Row: Left to Right: Walter Brewer, Stanley Notkin, Robert Wolfe, Ivan Bottlik, Jerome Fleigenspan, Robert Stern, Jon Ellenbogen, Michael Samuels, Robert Osgood, Thomas Sgro, Wilfred Thoms. Front Row: Left to Right: Frederick Farber, George Sullivan, Leon Chernick, David Kleinman, Edward Ashare, Mark Newberger.





Top Row: Left to Right: Jack Schwalbe, Eugene Golub, Susan Huppert, Michael Jacobs, Joseph Seiberg, David Fialkoff, Howard Epstein, David Rubin. Bottom Row: Left to Right: Robert Corvini, George Sullivan, Mr. Kalb, Dr. Wallace, Fred Salcedo, Vyfas Svalbonas.

CHI EPSILON

The primary aim of Chi Epsilon, the national Civil Engineering Honor Fraternity is to increase the effectiveness of the civil engineering profession as a positive means of bettering human society. Specifically, it seeks to encourage and develop in undergraduate engineers those traits of character which will further that aim, and to honor those engineers, who have, in the past, realized that goal.

The Cooper Union chapter has, since its founding in 1949, taken an active part in this work. Its annual freshman award for high scholastic achievement provides encouragement and recognition for superior scholarship. The chapter's Honor Membership Roster includes men whose outstanding attainments and suc-

cess in the profession have earned them the highest regard. Cooper Union's Chi Epsilon brothers have traditionally held positions of high responsibility in the fraternity's national conclave, which was held this year at Urbana, Ill.

The annual Honor Societies Dinner festively and fittingly marked the close of a successful academic year.

Robert Corvini: President
George Sullivan: Vice-President
Frederick Salcedo: Secretary
Vyfas Svalbonas: Treasurer
Dr. Armenakas: Faculty Advisor

PI TAU SIGMA

The Cooper Union Pi Phi Chapter of Pi Tau Sigma, the National Honorary Mechanical Engineering Society, was founded "to establish a closer bond of fellowship . . . to those men in the study and profession of Mechanical Engineering, who by their academic and practical achievement manifest a real interest and marked ability in their chosen work." We have not only tried to be of assistance to the Mechanical Engineering Department, and to foster the high ideals of the Engineering Profession, but also to provide some means of social association between our day and evening Mechanical Engineering students. This year's highlights included the Honor Societies

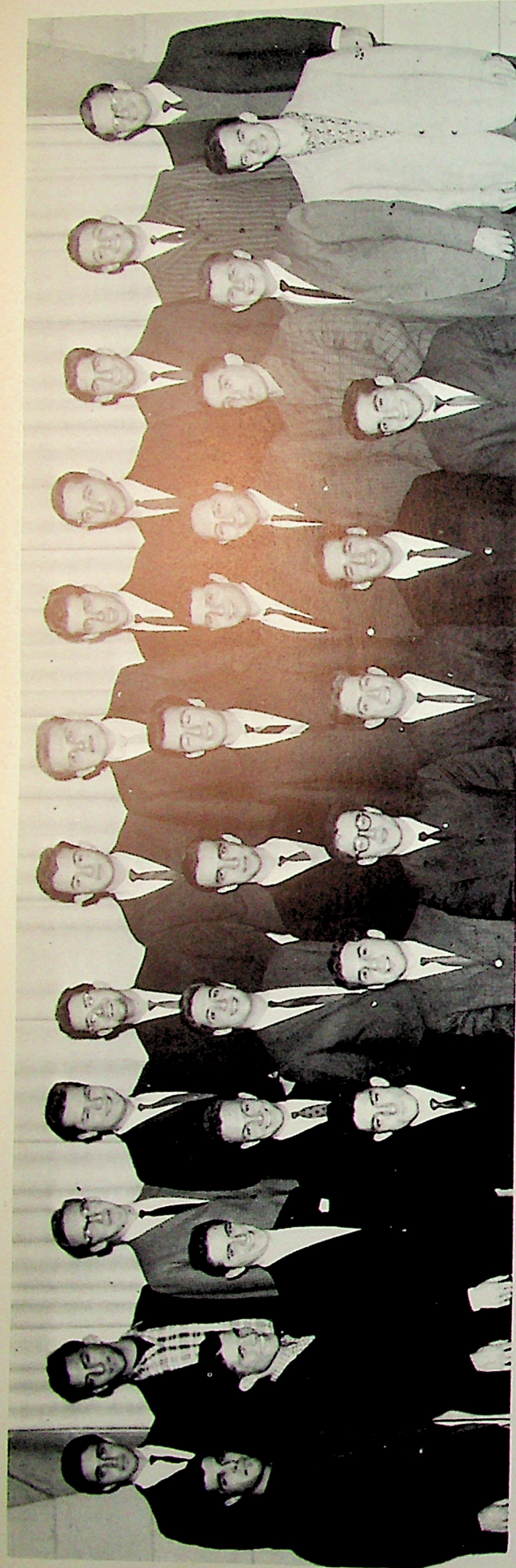
Dinner, and the ASME-PTS Dinner.

Students are selected for membership in PTS on the basis of exemplary scholarship, integrity, personality and sound engineering ability from the upper third of the Mechanical Engineering upperclassmen.

Jerome Lederman: President
John Kovarna: Vice-President
Alvin Levy: Recording Secretary
Sheldon Glickler: Treasurer
Peter Waznys: Corresponding Secretary
Professor Kut: Faculty Advisor

Top Row: Left to Right: Cosmo Fiore, Joel Blank, Richard Heiligenstadt John Genule, Jerry Mulyk. Middle Row: Left to Right: Charles Smalley, Jeremy Schwartz, Ivan Sandler, Jon Ellenbogen, Stanley Notkin, William Hitzgenbuhler. Bottom Row: Left to Right: Robert Stern, Alvin Levy, Jerome Lederman, John Kovarna, Peter Waznys, Alfred Gilman.





Top Row: Left to Right, Howard Shapiro, Norm Lieberman, Jerry Schwartz, Ken Schoenberg, George Parrino, Ed Ott, Ivan Sandler, Joe Seiberg, Bob Silberzweig, Lenny Kurzweil, Burt Kulic, Mike Schulman. Center Row: Left to Right, Richard Sussman, Sandy Davis, Mark Roskin, Chuck Fraust, Gene Briskman, Herman Bilenko, Len Schneidt, Bernie Nathan, Norm Libschutz, Mark Fogel, Joel Greenstein, Bob Grossbach. Bottom Row: Left to Right, Barry Rosenbaum, Mike Jacobs, Stuart Litt, Barry Schechtman, Murray Sharkey, Stuart Nagel.

SIGMA KAPPA TAU

This year, as always, the brothers of Sigma Kappa Tau devoted their blood, sweat, and tears to the great, never-ending task before us: to have fun. (The blood went into pigment to paint the walls of the house.)

In keeping with tradition, the Saturday-night parties were Bacchanalian revels, the Friday night parties were galas worthy of the Sun-King and the two Parrino parties were indescribable. The results, too, were fantastic: brothers fell by the wayside (even some four year holdouts) as girls rushed them like two-dab men.

After years of nomadic travel, the Fraternity finds itself firmly entrenched (at least till 5:00 Friday) in its house at 9 St. Marks Place, in the colorful, scenic, East Village Estates.

Refinements added in the past year include the decoration of a "study" room, the installation of a futuristic plumbing system, a diminutive mural depicting all of man's knowledge, and the first known use of a perfect radiator as a ceiling.

Sigma Kappa Tau looks to the future with hope for growth, prosperity, and happiness in the bonds of friendship, if only someone will pay the rent.

Stuart Litt: President
Michael Jacobs: Vice-President
Barry Schechtman: Pledge-Master
Murray Sharkey: Social Chairman
Prof. Caldiero: Faculty Advisor

ALPHA MU SIGMA

Throughout the past year, the brothers of Alpha Mu Sigma continued to strengthen and develop the bonds which have made the fraternity an integral part of Cooper Union life since 1914. The diverse activities of the chapter were highlighted by: a four day excursion to Green Camp, relocation at a new fraternity house, management of the Cooper Queen contest, and participation in a full program of social and athletic events. The conclusion of the school year was augmented by our traditional induction ceremonies.

Joel Blank: Prior
Arthur Parente: Vice-Prior
Michael Weissman: Treasurer
Morton Blatt: Pledgemaster
Professor Embler: Faculty Advisor

Top Row: Left to Right, Gerald Dubin, Al Markowitz, Peter Mackauf, Stanley Birnbaum, William Calvin, Richard Rand, Steven Cinamon, Robert Greenberg, Peter Fiorentino, Marshal Rafal, Michael Ackerman. Second Row: Left to Right, Michael Cheifetz, Steven Oshen, Chester Miller, Daniel Pitinsky, Jerry Feder, James Chan, Benjamin Gross, Marvin Greene, Eric Bodow, Steven Koestenblatt, Samuel Feldman, Michael Cohen, Harvey Lieberman. Third Row: Left to Right, Steven Leves, Morris Frayman, Harvey Liss, Robert Alperstein, Murray Millander, Morty Blatt, Joel Blank, Michael Weissman, Steven Breitkopf, Michael Lindheimer, David Kleinman, Ronald Wolff, W. Resnansky. Front Row: Left to Right, Barry Schreiber, Ira Birnbaum, Alan Kaden, Marlec Laurent, Sheldon Langsam, Ricky Rand, David Kass, Douglas Quinn, Leonard Yorinks, Stuart Melzer.





Top Row: Left to Right, Ronald Csuha, Richard Lodwig, Vic Yesavage, Vito DiFrenco, Jimmy Hladek, Fred Rupp, Gary Chavez, Second Row: Left to Right, Robert Clemente, Walt Pumo, Jerry Mulyk, Andrew Poggio, Val Povinelli, Bill Sandholm, Steve Kuklinka, John Kovarna, Third Row: Left to Right, Ivan Bottlik, Tony Blazej, Bob Corvini, Fred Salcedo, Al Kainer, Jerry Berglund. Front Row: Left to Right, George Reeves, Pete Bungay, Vinnie Grillo, Gerd Printz.

OMEGA DELTA PHI

The Delta Chapter of Omega Delta Phi occupies quarters at 58 East Seventh Street. Since the fraternity was founded in 1903, its purpose "... to perpetuate friendships made while students and to encourage and stimulate the love and esteem of the Alma Mater ..." has been the guide for all activities.

Fred Salcedo: President
Bob Corvini: Vice-President
Al Kainer: Secretary
Anthony Blazej: Treasurer
Bill Sandholm: Pledgemaster
Dean Towle: Faculty Advisor

LAMBDA SIGMA KAPPA

The brothers were welcomed back from their needed vacations with a newly decorated house, one with more rooms and couches than ever before.

Once again, the brothers of LSK dominated many of Cooper's activities. With additions to the "Lambda Sigma Kappa Story", a successful skit nite, alumni night, and trips to Green Camp and Philadelphia burlesque, LSK closed its forty-eighth proud year of affiliation with The Cooper Union.

The brothers of Lambda Sigma Kappa extend their congratulations to those graduating this year, and to their classmates.

Alvin Levy: Ruler
Ivan Stern: Vice-Ruler
Jerome Lederman: Pledgemaster
Mark Newberger: Treasurer
Prof. Vopat
Prof. Roemmele: Faculty Advisors

Top Row: Left to Right, Warren Breslow, Harvey Koshenick, Leonard Wolberg, Leon Baboff, Richard Simon, Robert Stern, Jerome Fieigenspan, Harry Jaeger, Matt Creeger, Ken Bridbord. Center Row: Left to Right, Jerry H. Green, Michael Greenberg, Edward Ashare, Barry J. Bunin, David Rubin, Howard Epstein, David Perelman, Mark Newberger, Ed Walvick. Bottom Row: Left to Right, Ronald W. Drucker, Marv Forman, Gene Golub, Ivan Stern, Professor Roemmele, Professor Vopat, Alvin Levy, Richard Fass, Jerry Lederman, Sol Gorland, Phil C. Singer.





Top Row: Left to Right: Jack Eichenbaum, Rick Bodow, Terrence McGovern, Gary Grulick, Peter Bungay, Raymond Jesatis, Scott Maynard, Martin Wagner, Ray Burk, Aaron Serwetman. Bottom Row: Left to Right: Ronald Csuha, Alan Howard, Bruce Knauer, L. John Soma, Paul Rosche, Michael Samuels.

AMERICAN INSTITUTE OF CHEMICAL ENGINEERS

A Chemical Engineer keeps abreast of his profession by associating with a national society. The AIChE chapter serves to make the chemical engineering student aware of the scope of his chosen profession. The organization sponsors the appearance of guest speakers, shown technical films, holds an annual AIChE dinner at Green Camp, and publishes its own magazine, the "Filter Press". In the spring of 1962, the Cooper Union AIChE chapter was host for the Metropolitan Conference of the Student Chapters of the AIChE, held in Cooper Union.

L. John Soma: President
Bruce Knauer: Vice-President
Alan Howard: Secretary
Paul Rosche: Treasurer
Dr. Robert Steinberger: Faculty Advisor

ALPHA PHI OMEGA

The Kappa Omega Chapter of Alpha Phi Omega, Cooper Union's only national fraternity, is an organization devoted to providing its brothers with a fully rounded and stimulating social, athletic, scholastic, and service program expressly for the purpose of perpetuating lifelong friendships and experiences.

This year has seen Kappa Omega Chapter move into its new house at 13 St. Marks Place, where we carry on our social activities. Our parties, camp trips, service program, and other activities have helped to make the 1961-62 year one of great satisfaction and enjoyment for us.

Gary Grulick: President,
Jerome Fleischman: 1st Vice President
Gernot Klauser: 2nd Vice President
Joel Tendler: Treasurer
Professor Stecher: Faculty Advisor



Top Row: Left to Right: Ray Burk, Gordon Swartzman, Neil Silverman, Al Weinstein, Scott Maynard, Richie Rosen, Bob Ennis, Middle Row: Left to Right: Paul Zimmerman, Ray Jesatis, Wally Kesselman, Scott Hopke, Mike Samuels, Sol Peltz, Charles Felman, Stan Pillar, Jerry Garchik, Jack Eichenbaum. Bottom Row: Left to Right: Bruce Knauer, Jerome Fleischman, Gary Grulick, Jerry Klauser, Joel Tendler, Aaron Serwetman.



Top Row: Left to Right. Daniel Starrett, Vytas Svalbonas, Jack Schwalbe, Dave Fialkoff, Joe Seiberger, Michael Greenberg, Harvey Koscherick, Bob Corvini, Dave Perelman, Fred Salcedo. Second Row: Left to Right. M. Ibes, Basil Whittingham, Joseph Fischetti, Ronald Drucker, Len Schneidt, Gene Briskman, Mayer Horn, Mike Jacobs, Gary Chavez. Third Row: Left to Right. Miro Kolpak, Sue Huppert, Bob Alperstein, Mr. Kalb, Prof. Wallace, Prof. Nuccitelli, Harvey Liss, Bill Rowe. Bottom Row: Left to Right. Ken Afferton, Dave Rubin, Phil Singer, Murray Sharkey, Charles Fraust, Howie Epstein, Lawrence Kaplan.

AMERICAN SOCIETY OF CIVIL ENGINEERS

This year has been a most successful one for the Cooper Union student chapter of ASCE. The number of regular meetings nearly reached the exceptional total of thirty. Guest speakers at these meetings have given authoritative talks on topics ranging from the latest theory in truss design to the Berlin crisis. This diversification of interest has created much interest in the society, and has also enticed a great deal of new blood into our ranks.

Aside from the general meeting schedule, our program has been highlighted by events such as a freshman reception, an annual dinner, and most memorable of all, a convention. The 1961 headquarters for the ASCE convention being in New York, many members were given their first opportunity to participate. The group, while learning of the latest innovations in the field, was able to rub elbows with some of the finest civil engineers in the country.

Robert Alperstein: President
Harold Brown: Vice-President
Kenneth Afferton
David Rubin: Secretaries
Harvey Liss: Treasurer
Prof. Nuccitelli: Faculty Advisor

AMERICAN INSTITUTE OF ELECTRICAL ENGINEERS INSTITUTE OF RADIO ENGINEERS

The primary purpose of the AIEE-IRE joint student branch is to acquaint prospective electrical engineers with the benefits of joining the parent organizations. Members receive technical publications and are made aware of the activities of the AIEE and IRE.

The student branch also plans various programs for the benefit of its members. Representatives from companies are invited to speak

on technical subjects, films are shown, and seniors give advice on graduate schools to the lowerclassmen.

The program committee hopes that during the past year it has accurately gauged the enthusiasm and interest of the members in arranging the branch's activities.

Dave Trutt: Chairman
Norbert Schleimer: Vice-Chairman
Gilbert Starr: Treasurer
Prof. J. Sherman: IRE Faculty Advisor
Prof. Epstein: AIEE Faculty Advisor

Top Row: Left to Right. Steve Rattuen, Jerome Fleischman, Fred Nowak, Barry Schechtman, Joseph Seiberger, Fred Rupp, Jerry Fleigenspan, Don Wade, J. J. Spera, Eric Wallstedt, Gerd Printz. Second Row: Left to Right. Walter Brewer, Jr., Leon Chernick, Bob Wolfe, Ivan Bottlik, Henry Parrando, Marvin Forman, Andrew Poggio, Ivan Stern, Bob Grossbach, Dave Kleinman, Sam Feldman, Dominic Galofaro. Third Row: Left to Right. Dave Trutt, Professor Sherman, Professor Epstein, Gil Starr, Stuart Litt. Front Row: Left to right. H. J. Finfer, Bob Abbato, Isidore Gopstein, Dave Schnee, James Chan.



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COOPER UNION ALUMNI ASSOCIATION

The alumni of a college constitute one of its invaluable, unique resources. Cooper Union's alumni consider it a privilege to serve their own distinguished Alma Mater. Three thousand members, organized in the Cooper Union Alumni Association, support and participate in a program of activities that provide pleasure and stimulation for fellow alumni of both the School of Art and Architecture and the School of Engineering. This program also fosters and maintains the Alma Mater spirit among all alumni. It has as its major purpose the perpetuation of the ideals of our common benefactor, Peter Cooper, and the preservation of the legacy he bequeathed to us for future generations of students.

In its new headquarters in the Hewitt Building, the Alumni Association conducts a dynamic program which helps the school while it benefits the alumni. It includes interesting meetings which feature outstanding speakers on scientific and sociological topics of current significance . . . an educational program consisting of our highly reputed Professional Engineers Review Course and Seminars . . . a weekly sketch class and the Peter Cooper Gallery for exhibiting

the work of our artist members . . . publication of the Alumni News and the Founder's Day Yearbook Issue . . . class reunions and social gatherings of alumni groups . . . the Annual Alumni Day with its class reunions and fun for the whole family at Green Camp in September . . . the Founder's Day Dinner and Dance in February, when we pay tribute to Peter Cooper and honor our distinguished fellow alumni by the presentation of citations and the Gano Dunn and Augustus St. Gaudens Medals for professional achievement . . . encouragement of undergraduates by financing extracurricular activities and awarding prizes for academic excellence. And if you leave New York City area after graduation, there are chapters of the Alumni Association organized in many cities.

We extend to all the members of the Class of 1962 a warm invitation to visit our new headquarters in the Hewitt Building, to enjoy our attractive and comfortable lounge and other facilities. Now that we have that new home, there are many more things we would like to do, things that perhaps you yourself would like to see done. For these we look to you, our newest members for participation and support.



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MATERIALS AND LIFE TESTING—The UTC Material and Chemical laboratories fully analyze and evaluate the materials employed in UTC transformers. Finished units, as well as insulation systems, are constantly undergoing life tests to provide guides for design and manufacturing processes which will provide greatest reliability. To provide statistical validity, over 10,000 life tests are run in a typical year.

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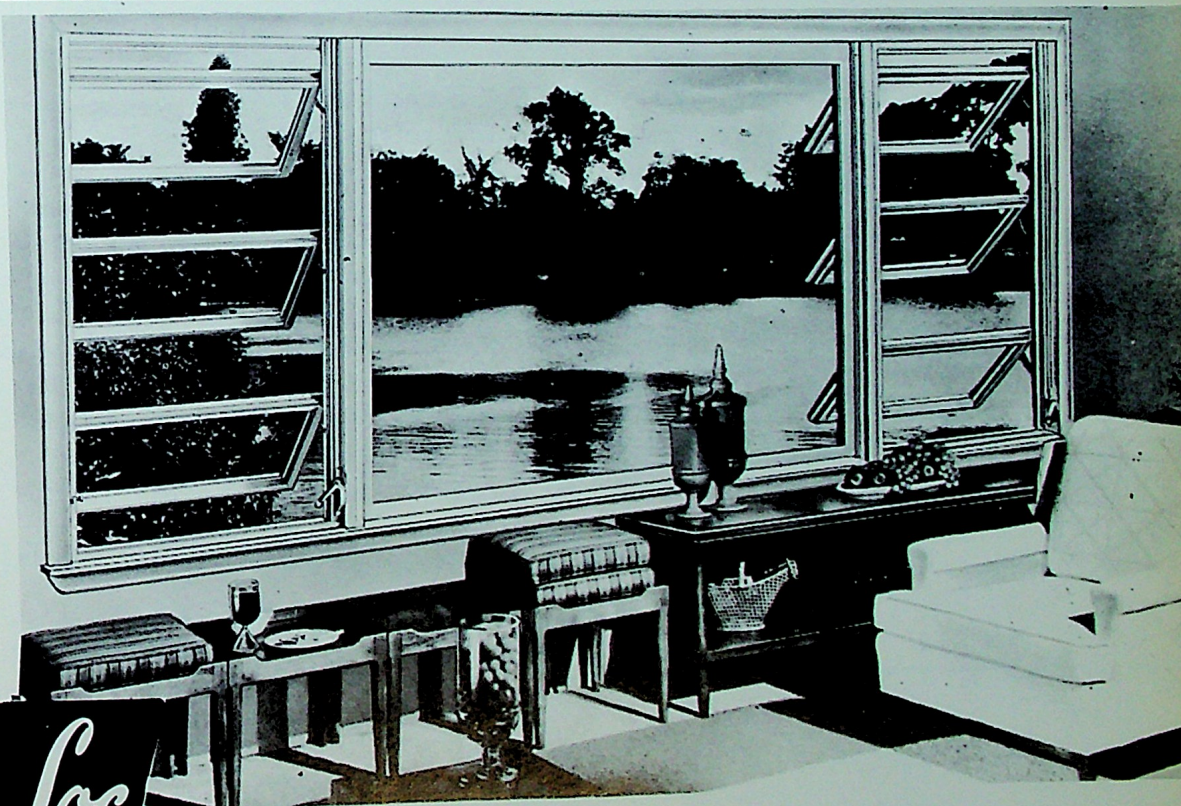
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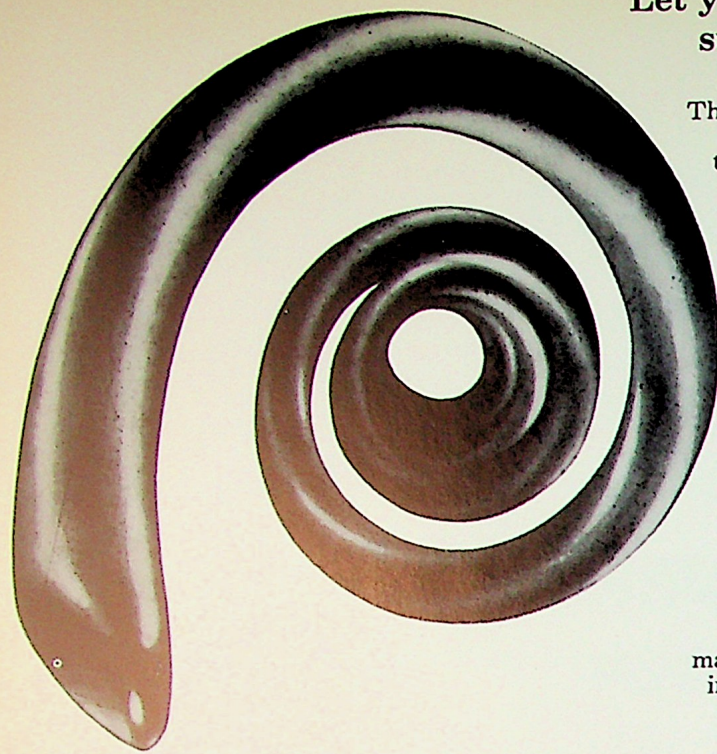
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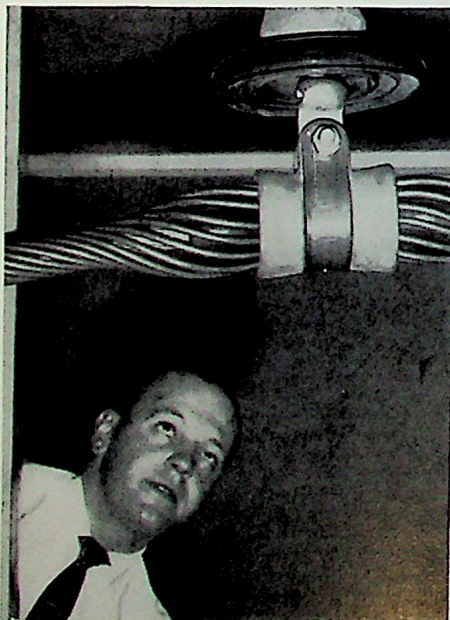
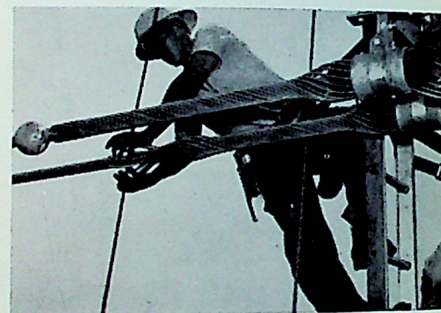
This end view of a helical element suggests the infinitude of an evolving idea; the surrounding photographs typify implementation of the idea into some of its practical applications.

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